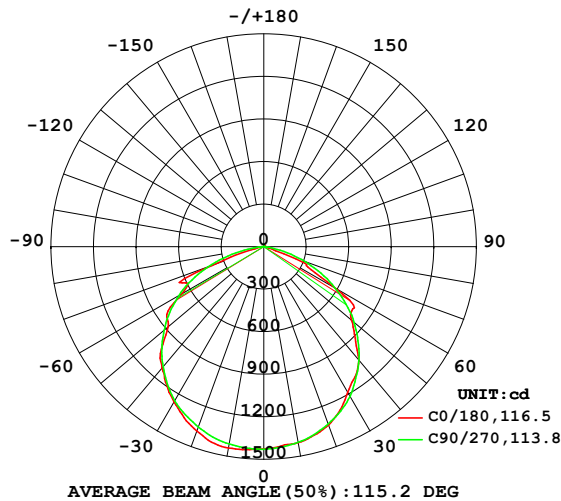


LUMINAIRE PHOTOMETRIC TEST REPORT

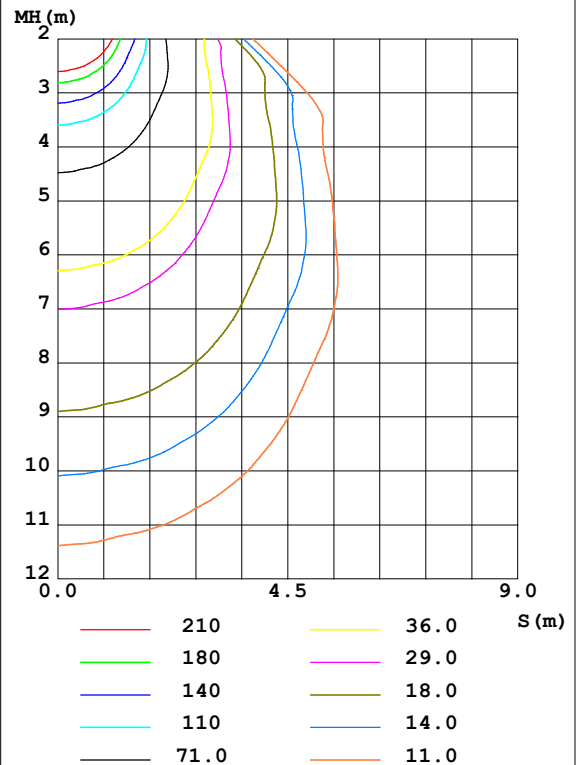
NAME: COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.84 lm/W			
MODEL	4FT	I _{max} (cd)	1441	S/MH (C0/180)	1.24
NOMINAL POWER(W)	30W	LOR(%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4000.0	η UP,DN (C0-180)	0.2,48.2
NOMINAL FLUX(lm)	4000.01	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.2,51.5
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	99.7	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:

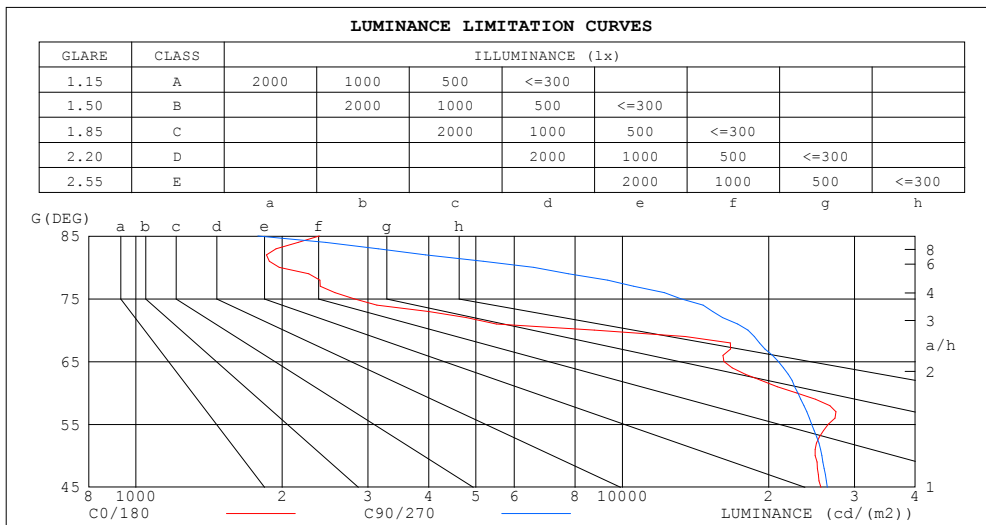
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1403	1394	1401	1429	1441	1437	1413	1400	0- 10	135.6	135.6	3.39,3.39
20	1339	1337	1331	1395	1383	1398	1352	1340	10- 20	393.9	529.5	13.2,13.2
30	1186	1217	1219	1291	1266	1284	1257	1224	20- 30	603.0	1133	28.3,28.3
40	1042	1028	1045	1124	1117	1129	1105	1029	30- 40	728.5	1861	46.5,46.5
50	807.1	809.7	833.1	923.2	881.5	931.9	917.7	836.5	40- 50	753.5	2614	65.4,65.4
60	574.4	592.9	578.1	651.7	664.6	669.2	692.6	555.5	50- 60	675.0	3289	82.2,82.2
70	151.0	214.3	312.3	388.9	390.8	424.8	418.8	249.3	60- 70	490.1	3780	94.5,94.5
80	17.27	21.13	57.59	77.34	26.89	59.39	113.2	24.61	70- 80	186.0	3966	99.1,99.1
90	5.611	5.723	0.2862	9.378	7.779	9.555	2.047	5.829	80- 90	20.75	3986	99.7,99.7
100	2.836	2.501	0.3631	3.299	4.037	3.793	0.4410	2.430	90-100	4.049	3990	99.8,99.8
110	2.117	2.150	0.5931	2.335	2.480	2.221	0.6129	1.937	100-110	2.194	3993	99.8,99.8
120	1.862	1.913	0.8595	2.136	2.034	1.957	0.8526	1.964	110-120	1.728	3994	99.9,99.9
130	1.814	2.049	1.116	2.008	1.882	1.865	1.068	2.182	120-130	1.539	3996	99.9,99.9
140	2.077	2.264	1.440	1.928	1.855	1.872	1.311	1.867	130-140	1.378	3997	99.9,99.9
150	2.531	2.134	1.482	1.940	1.911	1.889	1.482	1.703	140-150	1.169	3998	100,100
160	2.449	1.993	1.649	2.116	2.199	2.107	1.652	1.673	150-160	0.8970	3999	100,100
170	1.964	1.826	1.741	1.911	1.993	1.911	1.751	1.927	160-170	0.5509	4000	100,100
180	1.814	1.773	1.756	1.787	1.811	1.780	1.749	1.785	170-180	0.1750	4000	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: 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	2384	1782
80	1973	6581
75	2807	13180
70	8759	18116
65	16185	20939
60	22795	22941
55	26493	24497
50	24914	25715
45	25602	26403

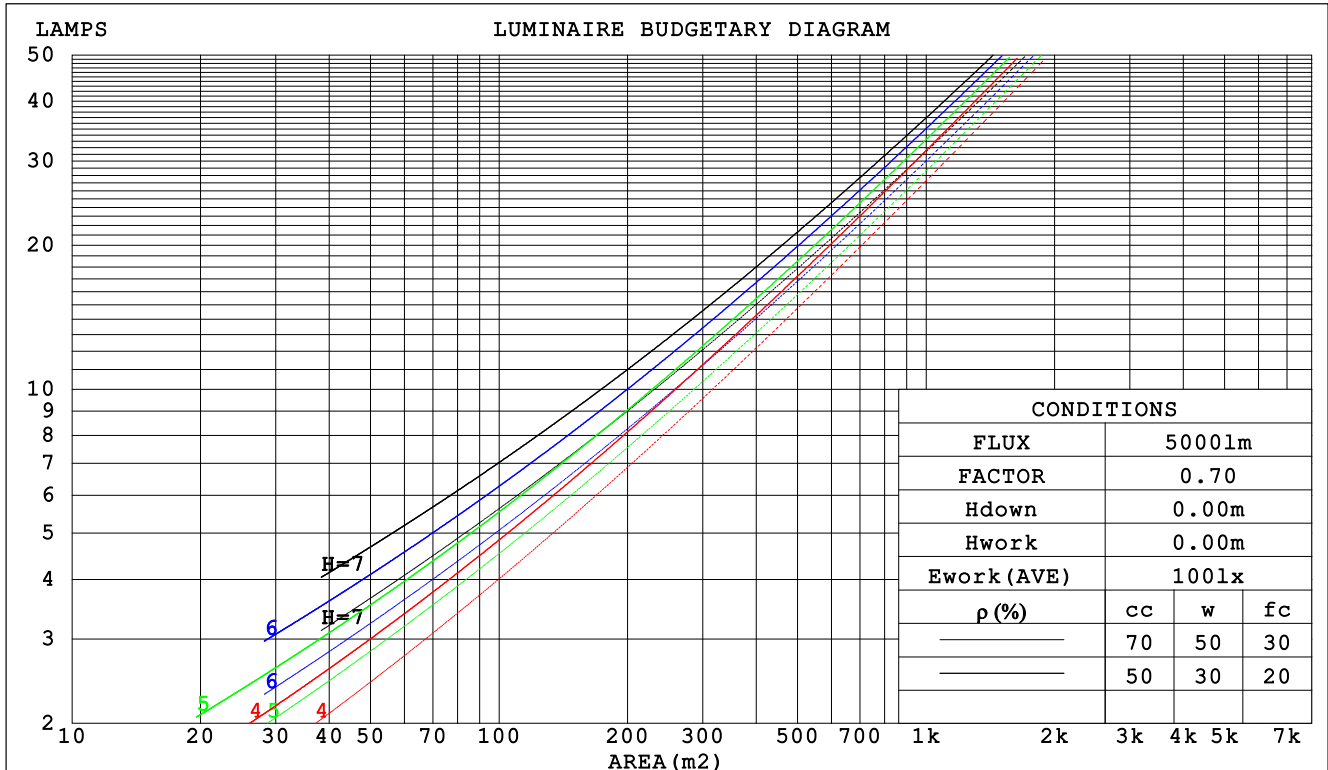
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

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: 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	1.02	1.02	1.02	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.75	.80	.77	.74	.72
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.70	.63	.56	.68	.61	.56	.66	.60	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.33	.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: 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	.252	.145	.047	.240	.139	.045		
2.0	.275	.151	.046	.269	.148	.046	.257	.143	.044	.246	.138	.043	.236	.134	.042		
3.0	.259	.138	.041	.253	.136	.041	.243	.132	.040	.233	.128	.039	.224	.124	.038		
4.0	.241	.125	.037	.236	.124	.037	.227	.120	.036	.219	.117	.035	.211	.114	.035		
5.0	.225	.114	.033	.220	.113	.033	.212	.110	.032	.204	.108	.032	.197	.105	.032		
6.0	.209	.105	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029		
7.0	.195	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.174	.090	.026		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.181	.159	.139	.155	.136	.120	.106	.094	.083	.061	.054	.048	.020	.017	.016	
2.0	.173	.135	.103	.148	.116	.089	.101	.080	.062	.058	.047	.036	.019	.015	.012	
3.0	.165	.117	.079	.141	.101	.068	.097	.070	.048	.056	.041	.028	.018	.013	.009	
4.0	.158	.103	.062	.135	.089	.054	.093	.062	.038	.054	.036	.023	.017	.012	.007	
5.0	.150	.093	.051	.129	.080	.044	.089	.056	.031	.052	.033	.018	.017	.011	.006	
6.0	.143	.085	.042	.123	.073	.037	.085	.051	.026	.049	.030	.016	.016	.010	.005	
7.0	.137	.078	.036	.118	.067	.032	.081	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.131	.072	.032	.112	.062	.028	.078	.044	.020	.045	.026	.012	.015	.008	.004	
9.0	.125	.067	.028	.107	.058	.025	.074	.041	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.063	.025	.103	.055	.022	.071	.038	.016	.042	.023	.009	.013	.007	.003	

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: 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	23.8	25.3	24.1	25.5	25.7	23.9	25.4	24.1	25.6	25.8
3H	24.4	25.8	24.7	26.0	26.3	24.9	26.3	25.2	26.5	26.8
4H	24.3	25.6	24.7	25.9	26.2	25.2	26.5	25.5	26.7	27.0
6H	24.3	25.5	24.6	25.7	26.0	25.2	26.4	25.6	26.7	27.0
8H	24.2	25.4	24.6	25.7	26.0	25.2	26.4	25.5	26.6	26.9
12H	24.2	25.3	24.5	25.6	25.9	25.1	26.3	25.5	26.6	26.9
4H 2H	24.3	25.6	24.6	25.9	26.1	24.4	25.7	24.7	25.9	26.2
3H	25.0	26.1	25.3	26.4	26.7	25.5	26.6	25.8	26.9	27.2
4H	24.9	25.9	25.3	26.3	26.6	25.8	26.8	26.1	27.1	27.4
6H	24.8	25.7	25.2	26.1	26.5	25.8	26.7	26.2	27.1	27.4
8H	24.8	25.6	25.2	26.0	26.4	25.8	26.6	26.2	27.0	27.4
12H	24.8	25.5	25.2	25.9	26.3	25.7	26.5	26.2	26.9	27.3
8H 4H	24.9	25.7	25.3	26.1	26.5	25.7	26.5	26.1	26.9	27.3
6H	24.8	25.5	25.3	25.9	26.4	25.8	26.5	26.2	26.9	27.3
8H	24.8	25.4	25.3	25.8	26.3	25.8	26.4	26.2	26.8	27.3
12H	24.8	25.3	25.3	25.7	26.2	25.7	26.3	26.2	26.7	27.2
12H 4H	24.8	25.6	25.3	26.0	26.4	25.7	26.4	26.1	26.8	27.2
6H	24.8	25.4	25.3	25.8	26.3	25.7	26.3	26.2	26.8	27.2
8H	24.8	25.3	25.3	25.7	26.2	25.7	26.2	26.2	26.7	27.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.1					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.7					+ 0.4 / - 0.5				
2.0H	+ 0.9 / - 1.2					+ 0.4 / - 0.7				

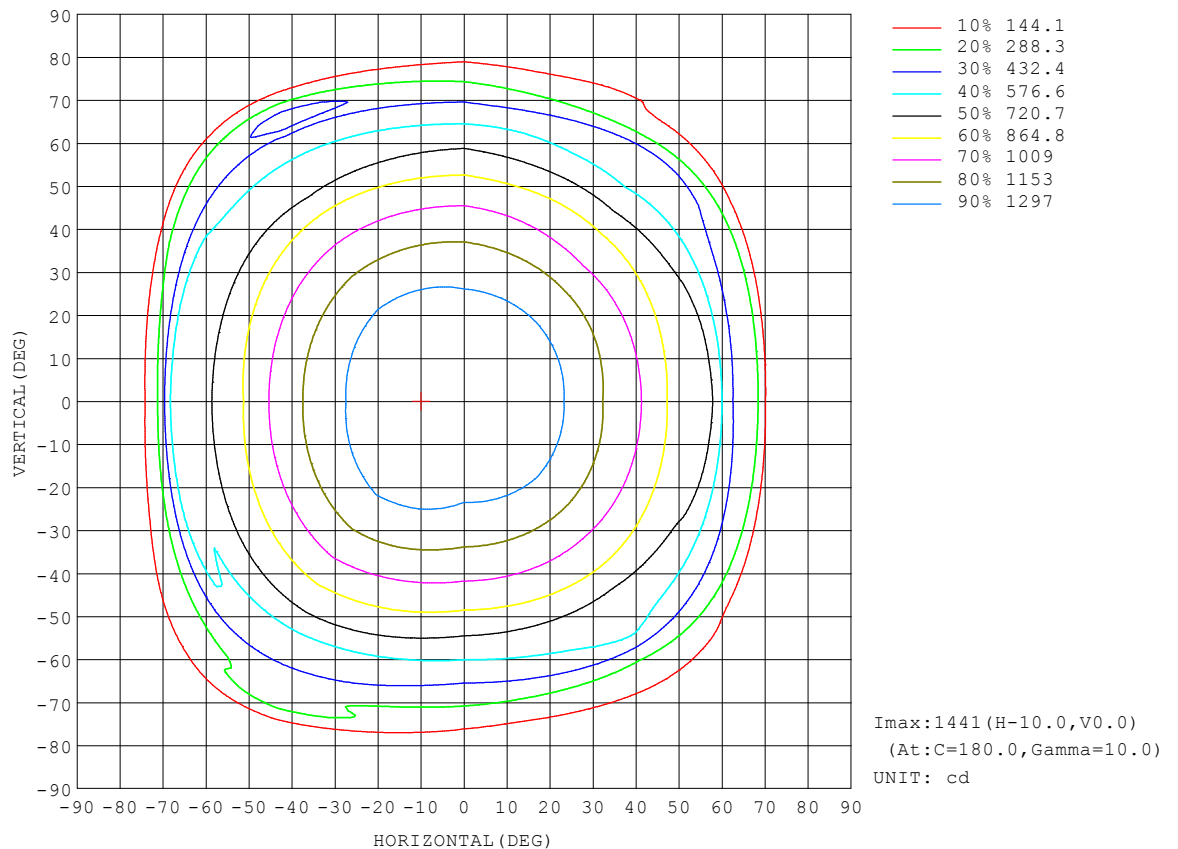
CIE Pub.117 Corrected 4000 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

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

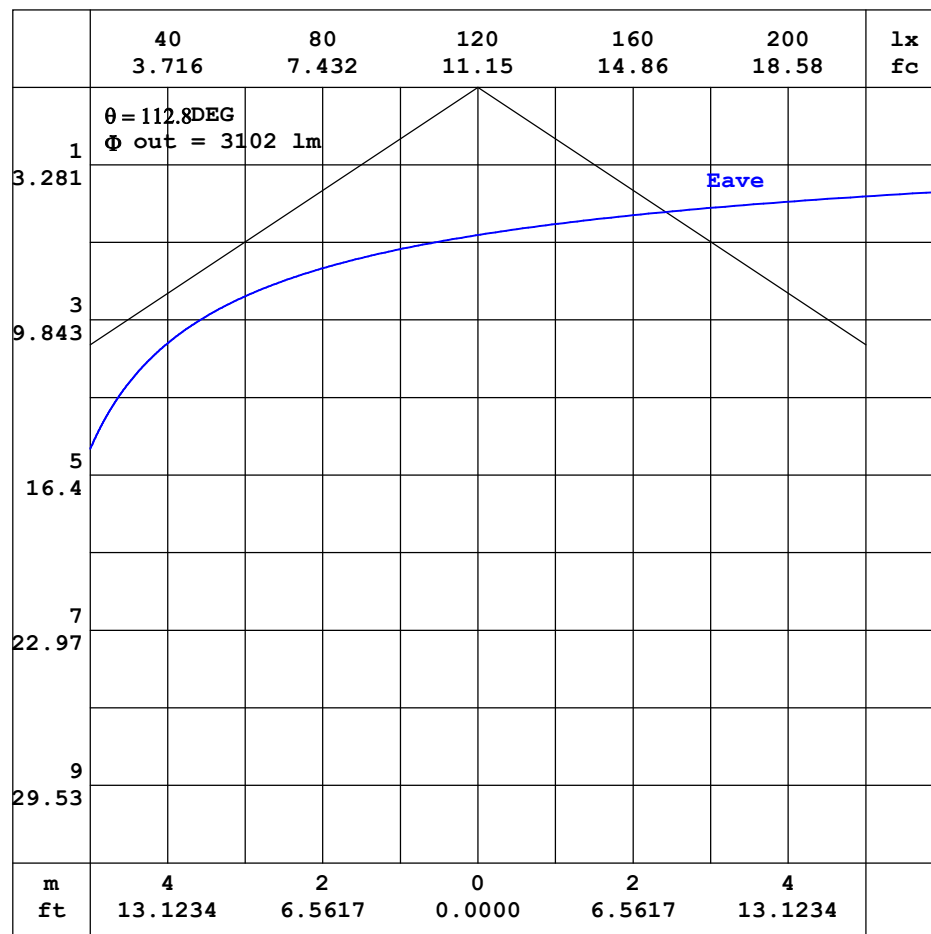


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

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



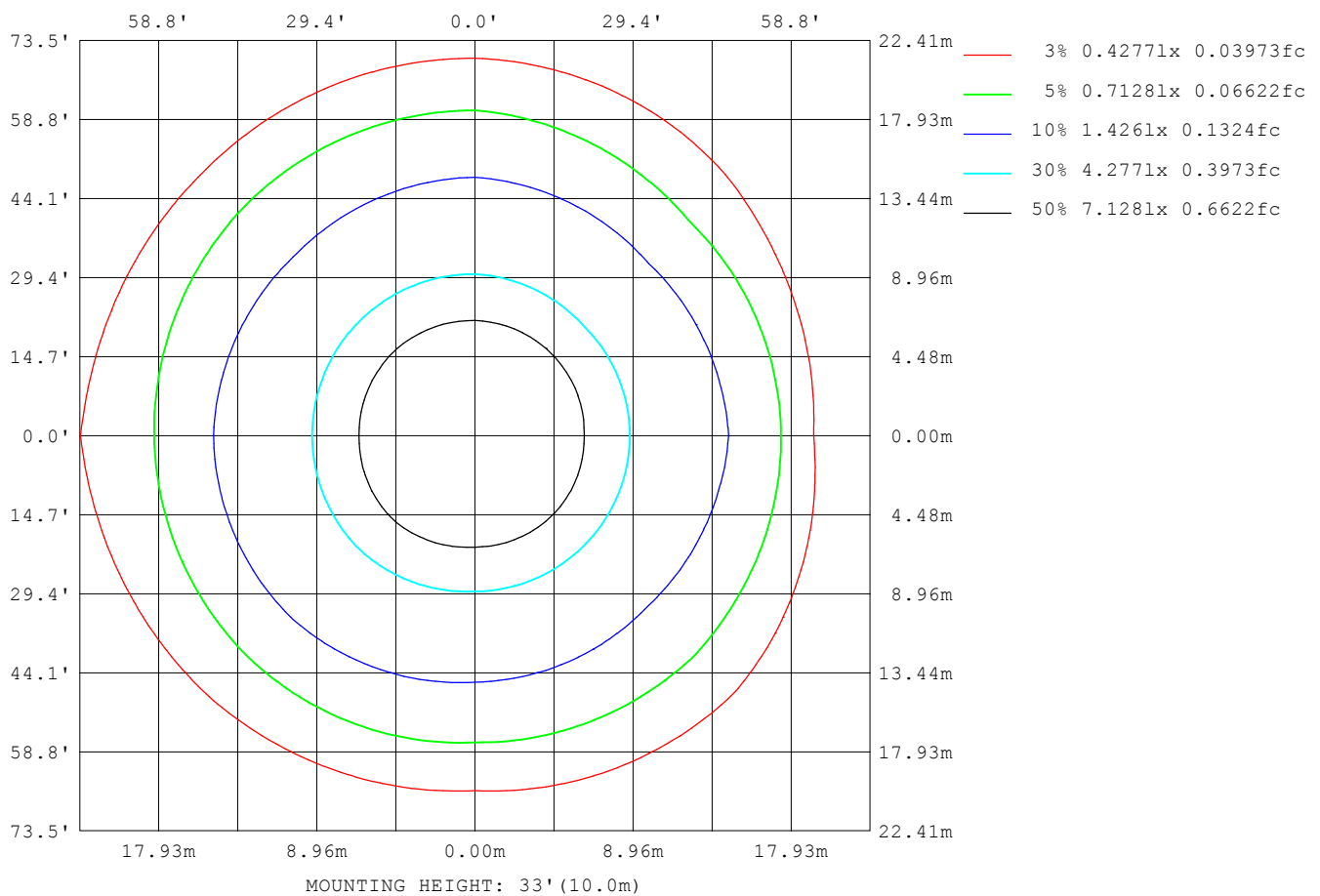
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

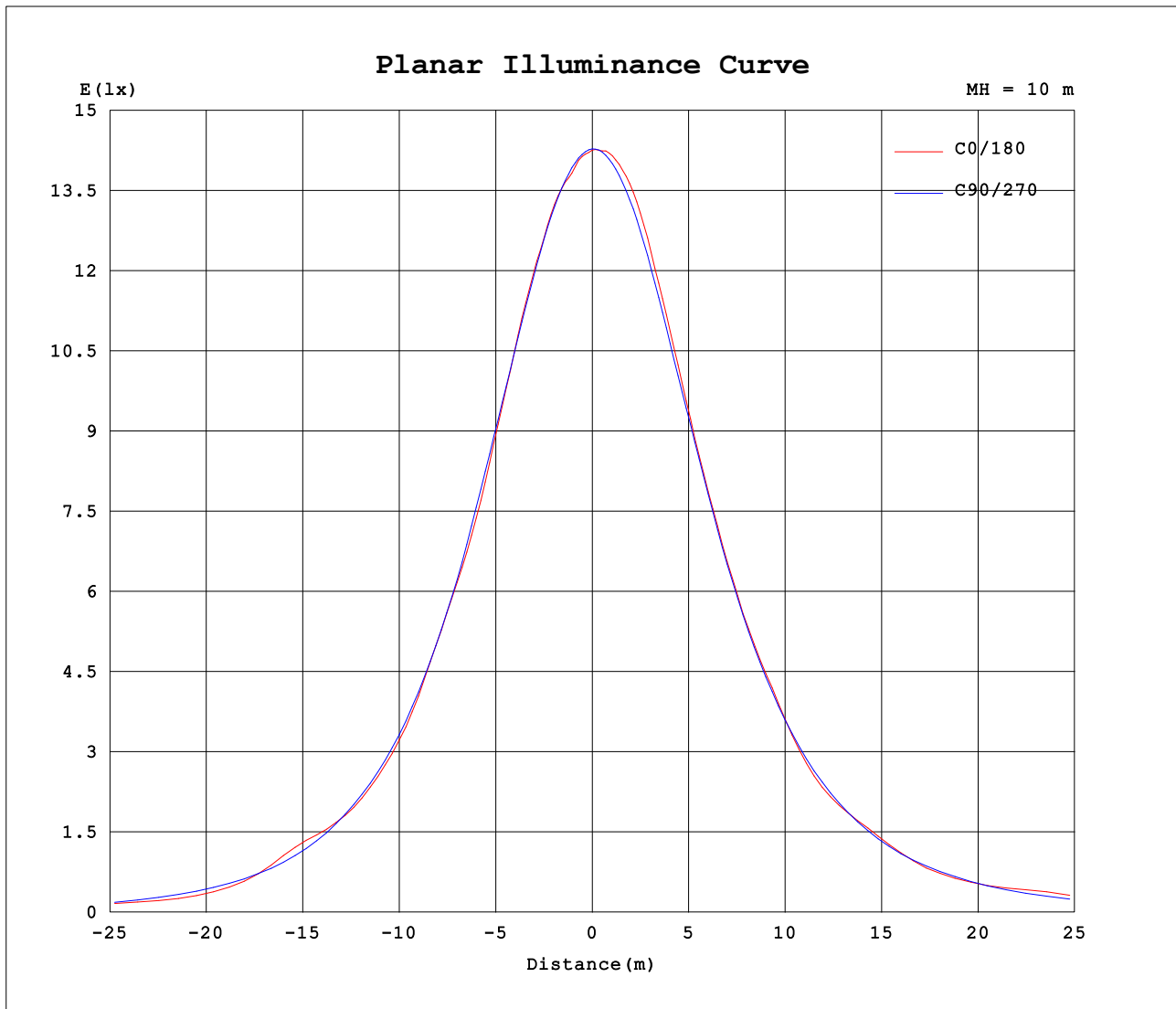
AvgL	cd/m2
L_0~180 (65) av	22368
L_0~180 (75) av	5041
L_0~180 (85) av	3237
L_90~270 (65) av	23641
L_90~270 (75) av	16786
L_90~270 (85) av	4151
L_45 (65) av	24421
L_45 (75) av	16515
L_45 (85) av	3364

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: 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	1426	1429	1428	1427	1426	1429	1428	1427										
5	1411	1417	1419	1429	1436	1437	1425	1415										
10	1403	1394	1401	1429	1441	1437	1413	1400										
15	1376	1376	1371	1417	1427	1427	1390	1380										
20	1339	1337	1331	1395	1383	1398	1352	1340										
25	1272	1289	1281	1355	1330	1346	1308	1293										
30	1186	1217	1219	1291	1266	1284	1257	1224										
35	1123	1124	1132	1217	1193	1205	1184	1138										
40	1042	1028	1045	1124	1117	1129	1105	1029										
45	912	946	941	1028	1022	1026	1018	934										
50	807	810	833	923	881	932	918	837										
55	766	677	708	813	836	782	810	689										
60	574	593	578	652	665	669	693	556										
65	345	465	446	542	608	567	561	506										
70	151	214	312	389	391	425	419	249										
75	36.6	66.8	172	376	94.9	280	266	139										
80	17.3	21.1	57.6	77.3	26.9	59.4	113	24.6										
85	10.5	10.3	7.83	19.5	18.0	18.5	28.6	10.8										
90	5.61	5.72	0.29	9.38	7.78	9.56	2.05	5.83										
95	4.07	3.60	0.29	5.27	5.47	5.83	0.39	3.20										
100	2.84	2.50	0.36	3.30	4.04	3.79	0.44	2.43										
105	2.30	2.31	0.47	2.71	3.10	2.88	0.55	2.19										
110	2.12	2.15	0.59	2.33	2.48	2.22	0.61	1.94										
115	1.92	1.93	0.73	2.24	2.24	2.11	0.75	1.92										
120	1.86	1.91	0.86	2.14	2.03	1.96	0.85	1.96										
125	1.81	1.96	1.06	2.04	1.98	1.87	0.95	2.05										
130	1.81	2.05	1.12	2.01	1.88	1.86	1.07	2.18										
135	1.91	2.23	1.22	1.97	1.88	1.87	1.19	2.00										
140	2.08	2.26	1.44	1.93	1.86	1.87	1.31	1.87										
145	2.39	2.24	1.39	1.91	1.87	1.85	1.42	1.77										
150	2.53	2.13	1.48	1.94	1.91	1.89	1.48	1.70										
155	2.59	2.11	1.57	2.03	2.05	1.99	1.56	1.65										
160	2.45	1.99	1.65	2.12	2.20	2.11	1.65	1.67										
165	2.15	1.89	1.70	2.02	2.30	2.02	1.71	1.73										
170	1.96	1.83	1.74	1.91	1.99	1.91	1.75	1.93										
175	1.85	1.78	1.75	1.84	1.85	1.81	1.76	1.77										
180	1.81	1.77	1.76	1.79	1.81	1.78	1.75	1.78										

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: