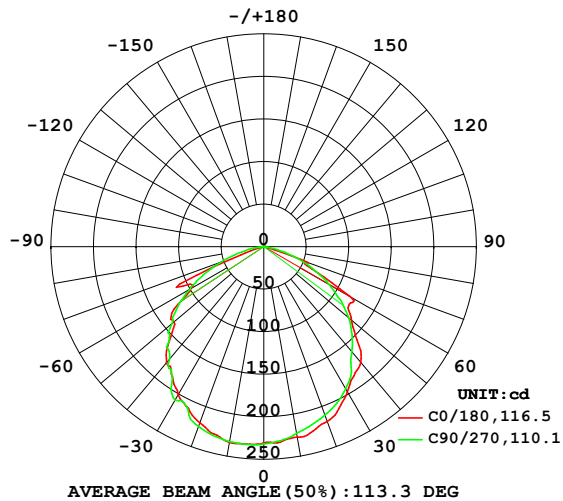


LUMINAIRE PHOTOMETRIC TEST REPORT

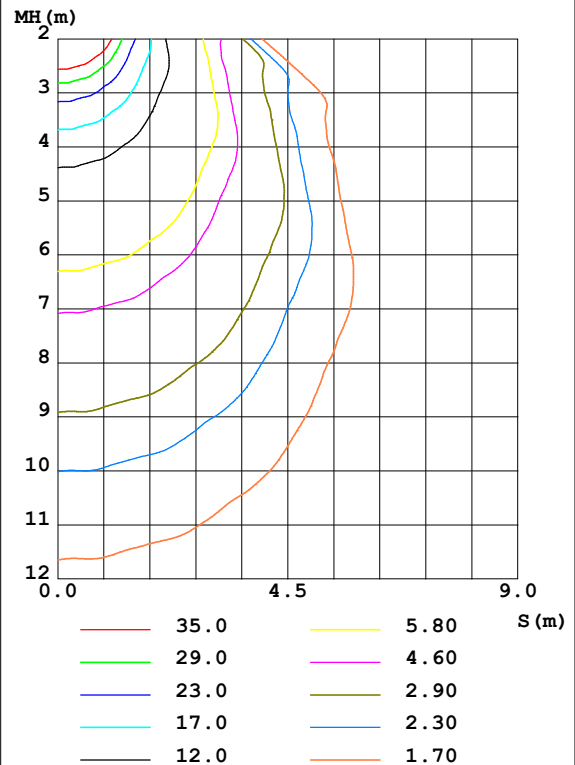
NAME: COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.17 lm/W			
MODEL	1FT	I _{max} (cd)	235.8	S/MH (C0/180)	1.26
NOMINAL POWER(W)	5W	LOR(%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	631.95	η UP,DN (C0-180)	0.2,47.9
NOMINAL FLUX(lm)	631.954	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.2,51.6
LAMPS INSIDE	1	η up (%)	0.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	99.5	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:2023-12-29

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:

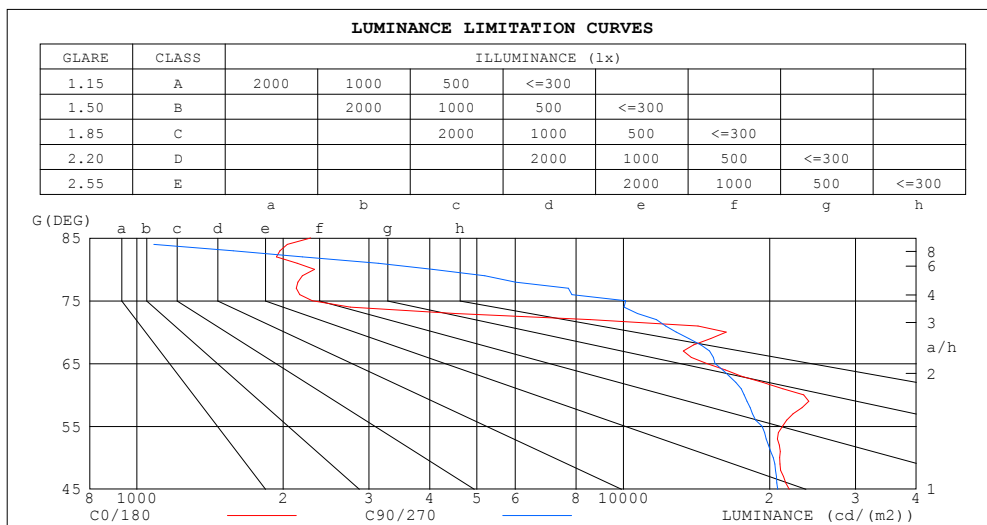
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	227.5	224.0	222.8	227.3	233.7	235.3	232.6	229.8	0- 10	21.94	21.94	3.47,3.47
20	218.7	213.6	210.7	210.9	220.3	228.3	224.7	217.5	10- 20	63.27	85.20	13.5,13.5
30	196.8	195.5	192.8	190.1	201.0	210.7	208.8	202.7	20- 30	96.63	181.8	28.8,28.8
40	177.3	166.3	161.2	169.2	177.8	185.1	172.0	169.5	30- 40	116.8	298.6	47.3,47.3
50	134.7	131.5	130.6	134.9	138.0	148.0	141.0	145.5	40- 50	119.8	418.4	66.2,66.2
60	117.4	85.43	88.55	96.41	99.05	102.1	100.3	95.53	50- 60	105.8	524.3	83,83
70	55.63	40.84	43.96	62.68	29.00	56.05	53.27	47.54	60- 70	76.19	600.5	95,95
80	4.027	3.713	7.042	3.877	3.367	5.350	14.42	4.656	70- 80	25.69	626.2	99.1,99.1
90	1.070	1.057	0.2809	1.421	0.8057	1.188	0.0168	1.849	80- 90	2.737	628.9	99.5,99.5
100	0.5357	0.5279	0.1868	1.000	0.4793	0.4361	0.0291	1.276	90-100	0.7782	629.7	99.6,99.6
110	0.3875	0.4431	0.1377	0.9976	0.3341	0.3319	0.0581	1.045	100-110	0.5403	630.2	99.7,99.7
120	0.3318	0.3875	0.2155	0.8840	0.2519	0.2640	0.0969	0.9275	110-120	0.4309	630.6	99.8,99.8
130	0.3100	0.3851	0.3174	0.8499	0.2447	0.2760	0.1866	0.9325	120-130	0.3894	631.0	99.9,99.9
140	0.3270	0.4044	0.3609	0.6827	0.2447	0.2495	0.2567	0.8332	130-140	0.3335	631.4	99.9,99.9
150	0.3657	0.3801	0.2686	0.4459	0.2713	0.2760	0.3076	0.7436	140-150	0.2489	631.6	99.9,99.9
160	0.3658	0.2688	0.2325	0.8234	0.3293	0.2785	0.3052	0.7342	150-160	0.1892	631.8	100,100
170	0.2857	0.2591	0.2518	0.7530	0.2784	0.2809	0.3318	0.5764	160-170	0.1113	631.9	100,100
180	0.2470	0.2833	0.4553	0.8355	0.2470	0.2906	0.3778	0.8379	170-180	0.0373	632.0	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:2023-12-29

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.: 1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.28*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2278	738
80	2319	4055
75	2294	10110
70	16264	12854
65	14833	15445
60	23471	17710
55	21249	19293
50	20958	20324
45	21922	20762

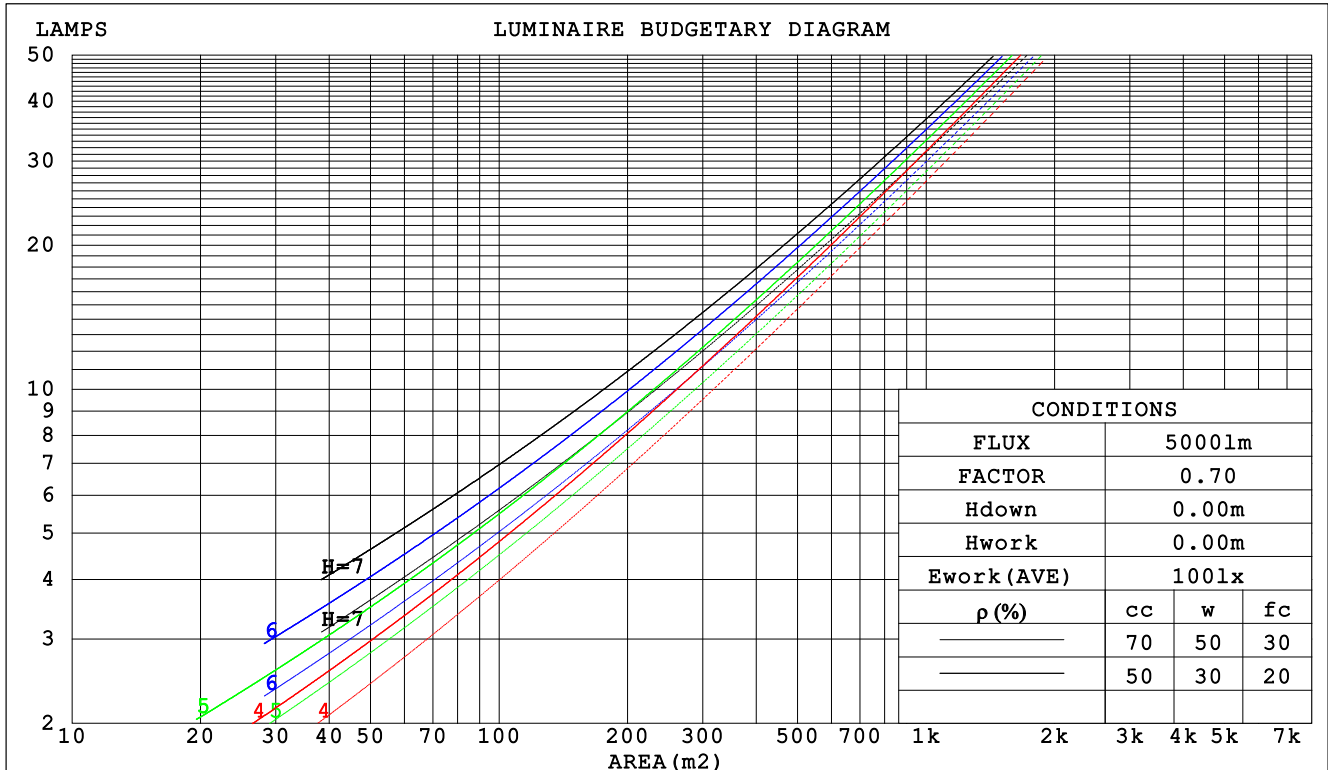
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-12-29

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.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*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	.90	.96	.99	.96	.93	.95	.92	.90	.91	.89	.88	.85
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.65	.56	.49	.63	.55	.49	.61	.54	.49	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.47	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-29

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.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*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	.280	.159	.050	.272	.155	.049	.259	.149	.047	.247	.142	.046	.235	.136	.044		
2.0	.272	.149	.046	.265	.146	.045	.254	.141	.044	.243	.136	.043	.233	.132	.041		
3.0	.256	.136	.041	.250	.134	.040	.240	.130	.040	.230	.126	.039	.221	.123	.038		
4.0	.239	.124	.037	.234	.122	.036	.225	.119	.036	.216	.116	.035	.208	.113	.034		
5.0	.223	.113	.033	.218	.112	.033	.210	.109	.032	.202	.107	.032	.195	.104	.031		
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.183	.096	.029		
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022		
10.0	.161	.077	.021	.159	.077	.021	.154	.075	.021	.149	.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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.182	.160	.140	.156	.137	.121	.106	.095	.084	.061	.055	.049	.020	.018	.016	
2.0	.173	.136	.104	.148	.117	.090	.102	.081	.063	.059	.047	.037	.019	.015	.012	
3.0	.166	.118	.080	.142	.102	.069	.097	.071	.049	.056	.041	.029	.018	.013	.009	
4.0	.158	.105	.064	.136	.090	.055	.093	.063	.039	.054	.037	.023	.017	.012	.008	
5.0	.151	.094	.052	.130	.081	.045	.089	.057	.032	.052	.033	.019	.017	.011	.006	
6.0	.144	.086	.044	.124	.074	.038	.085	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.137	.079	.038	.118	.068	.033	.082	.048	.023	.047	.028	.014	.015	.009	.005	
8.0	.131	.073	.033	.113	.063	.029	.078	.044	.020	.045	.026	.012	.015	.009	.004	
9.0	.125	.068	.029	.108	.059	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.120	.064	.027	.103	.055	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-12-29

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.: 1FT 透明PC罩					DIM.: 280x45mm			SERIAL No.:			
MFR.: EVERFINE					SUR.: 0.28*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	2H	23.4	24.9	23.7	25.1	25.3	22.9	24.4	23.2	24.6	24.8
	3H	24.4	25.8	24.7	26.0	26.3	24.0	25.3	24.3	25.6	25.8
	4H	24.4	25.7	24.7	25.9	26.2	24.2	25.5	24.5	25.7	26.0
	6H	24.3	25.5	24.6	25.8	26.1	24.2	25.4	24.6	25.7	26.0
	8H	24.3	25.4	24.6	25.7	26.0	24.2	25.3	24.5	25.6	25.9
	12H	24.2	25.3	24.6	25.6	25.9	24.1	25.2	24.5	25.5	25.8
4H	2H	23.9	25.2	24.2	25.4	25.7	23.5	24.7	23.8	25.0	25.3
	3H	25.0	26.1	25.3	26.4	26.7	24.6	25.7	25.0	26.0	26.3
	4H	25.0	26.0	25.3	26.3	26.6	24.9	25.9	25.3	26.2	26.6
	6H	24.9	25.8	25.3	26.1	26.5	24.9	25.8	25.3	26.2	26.6
	8H	24.9	25.7	25.3	26.1	26.4	24.9	25.7	25.3	26.1	26.5
	12H	24.8	25.6	25.3	26.0	26.4	24.9	25.6	25.3	26.0	26.4
8H	4H	25.0	25.8	25.4	26.2	26.6	24.9	25.8	25.3	26.1	26.5
	6H	24.9	25.6	25.4	26.0	26.5	25.0	25.7	25.4	26.1	26.5
	8H	24.9	25.5	25.4	25.9	26.4	25.0	25.6	25.4	26.0	26.5
	12H	24.9	25.4	25.4	25.8	26.3	24.9	25.4	25.4	25.9	26.4
12H	4H	24.9	25.7	25.4	26.1	26.5	24.9	25.6	25.3	26.0	26.4
	6H	24.9	25.5	25.4	25.9	26.4	25.0	25.5	25.4	26.0	26.4
	8H	24.9	25.4	25.4	25.8	26.3	24.9	25.4	25.4	25.9	26.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.6					+ 0.4 / - 0.3				
1.5H		+ 0.5 / - 1.0					+ 0.2 / - 0.4				
2.0H		+ 0.8 / - 1.3					+ 0.5 / - 0.7				

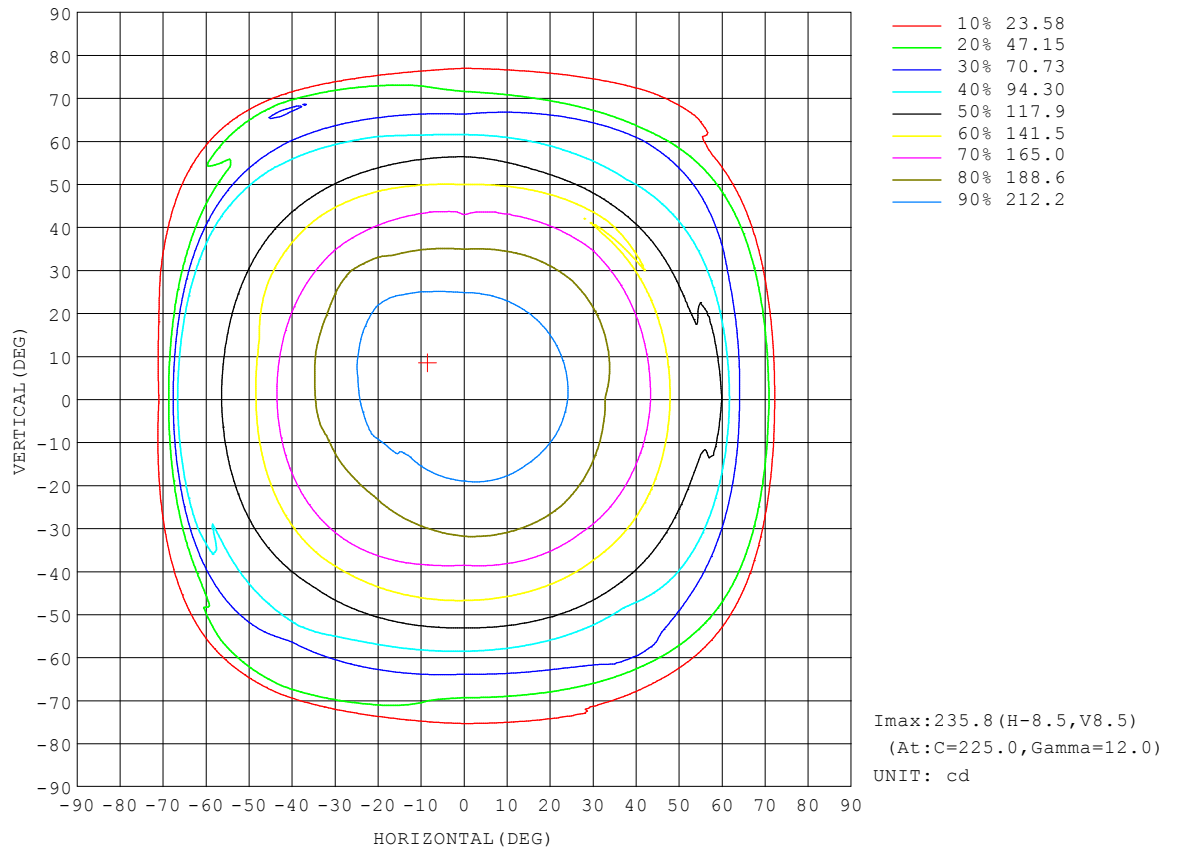
CIE Pub.117 Corrected 632.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.6)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-12-29

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.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

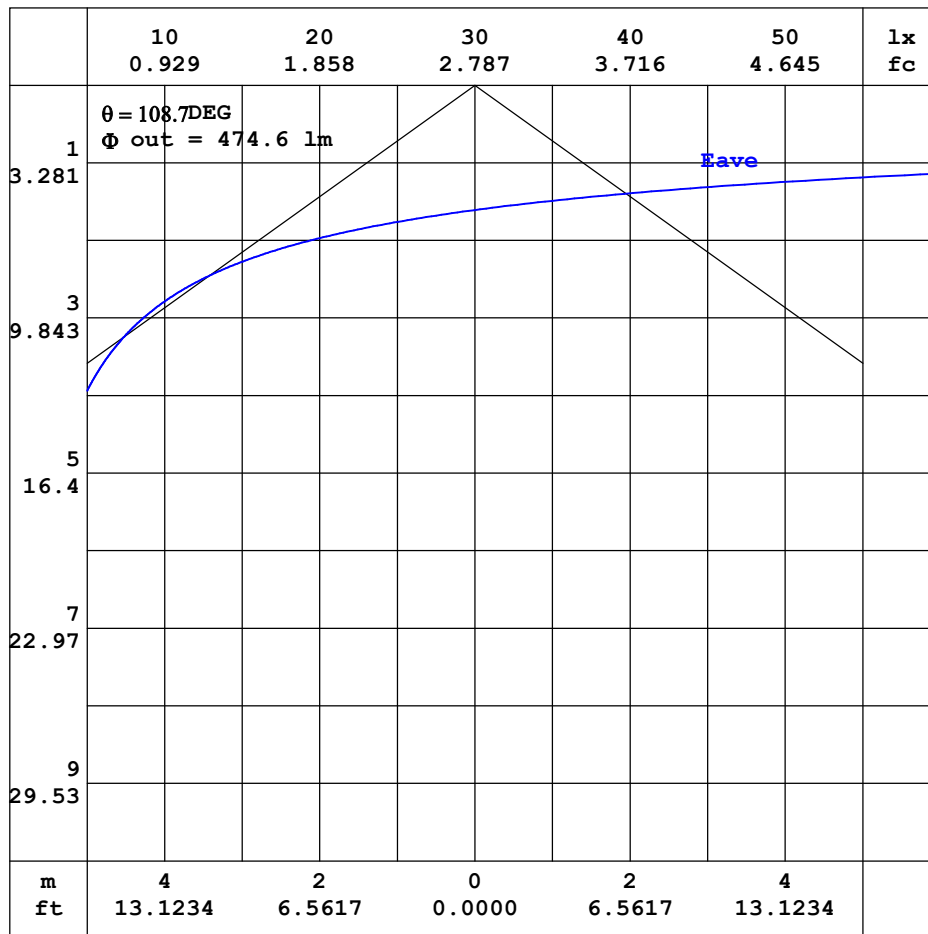


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-29

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.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:



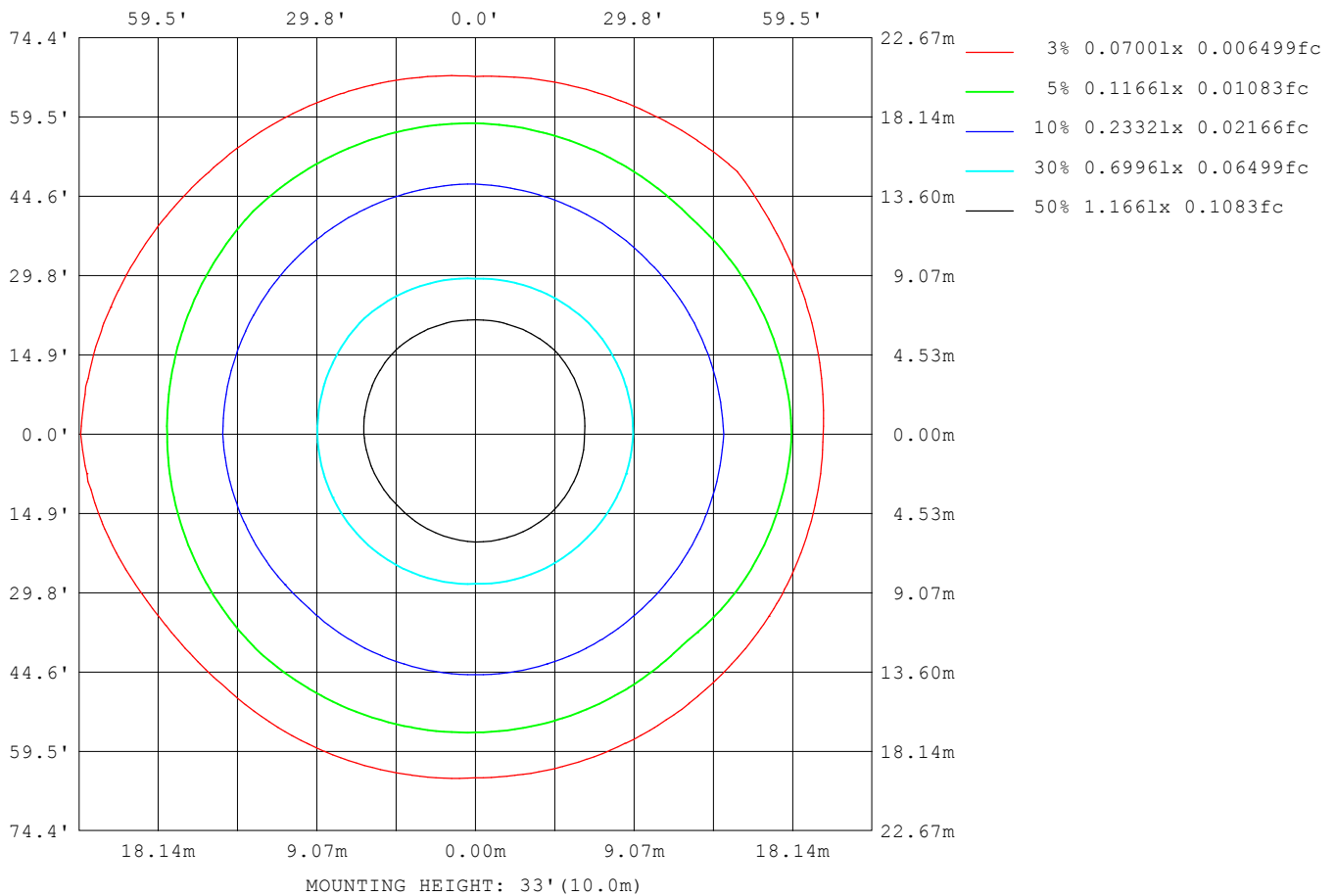
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-12-29

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.: 1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.28*0.045	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-12-29

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.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

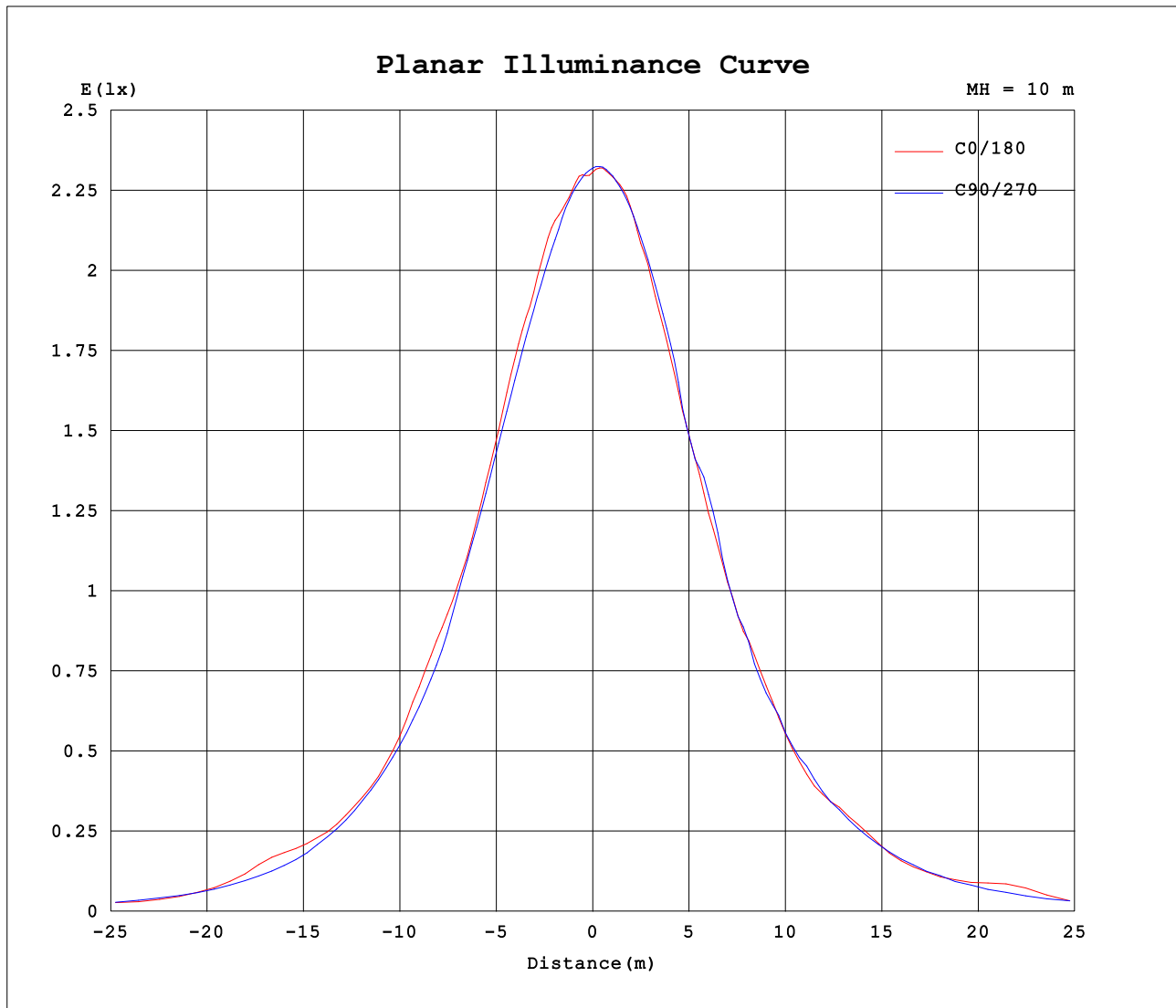
AvgL	cd/m2
L_0~180 (65) av	20858
L_0~180 (75) av	2196
L_0~180 (85) av	2063
L_90~270 (65) av	17040
L_90~270 (75) av	11444
L_90~270 (85) av	2108
L_45 (65) av	19283
L_45 (75) av	10619
L_45 (85) av	2662

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-29

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: 2023-12-29

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.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	231	232	232	228	231	232	232	228										
5	230	229	229	223	233	235	233	229										
10	227	224	223	227	234	235	233	230										
15	224	218	217	217	228	235	230	229										
20	219	214	211	211	220	228	225	218										
25	210	204	203	196	210	221	211	211										
30	197	195	193	190	201	211	209	203										
35	185	182	180	183	187	198	188	196										
40	177	166	161	169	178	185	172	169										
45	155	148	147	154	157	163	158	163										
50	135	131	131	135	138	148	141	146										
55	122	110	111	110	129	126	124	111										
60	117	85.4	88.6	96.4	99.1	102	100	95.5										
65	62.7	74.3	65.3	69.8	114	91.7	78.8	90.2										
70	55.6	40.8	44.0	62.7	29.0	56.1	53.3	47.5										
75	5.94	22.3	26.2	17.0	5.43	38.1	33.1	32.5										
80	4.03	3.71	7.04	3.88	3.37	5.35	14.4	4.66										
85	1.99	1.82	0.64	2.39	1.61	2.47	3.03	2.60										
90	1.07	1.06	0.28	1.42	0.81	1.19	0.02	1.85										
95	0.76	0.67	0.27	1.12	0.60	0.67	0.01	1.44										
100	0.54	0.53	0.19	1.00	0.48	0.44	0.03	1.28										
105	0.42	0.48	0.08	1.01	0.40	0.39	0.05	1.26										
110	0.39	0.44	0.14	1.00	0.33	0.33	0.06	1.04										
115	0.35	0.41	0.19	0.92	0.26	0.31	0.08	0.92										
120	0.33	0.39	0.22	0.88	0.25	0.26	0.10	0.93										
125	0.32	0.38	0.31	0.91	0.23	0.26	0.14	0.94										
130	0.31	0.39	0.32	0.85	0.24	0.28	0.19	0.93										
135	0.32	0.40	0.34	0.77	0.24	0.27	0.22	0.88										
140	0.33	0.40	0.36	0.68	0.24	0.25	0.26	0.83										
145	0.37	0.39	0.31	0.53	0.25	0.26	0.28	0.79										
150	0.37	0.38	0.27	0.45	0.27	0.28	0.31	0.74										
155	0.38	0.36	0.25	0.63	0.30	0.31	0.31	0.79										
160	0.37	0.27	0.23	0.82	0.33	0.28	0.31	0.73										
165	0.31	0.25	0.24	0.80	0.31	0.27	0.32	0.59										
170	0.29	0.26	0.25	0.75	0.28	0.28	0.33	0.58										
175	0.26	0.26	0.46	0.67	0.25	0.27	0.35	0.77										
180	0.25	0.28	0.46	0.84	0.25	0.29	0.38	0.84										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-29

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: