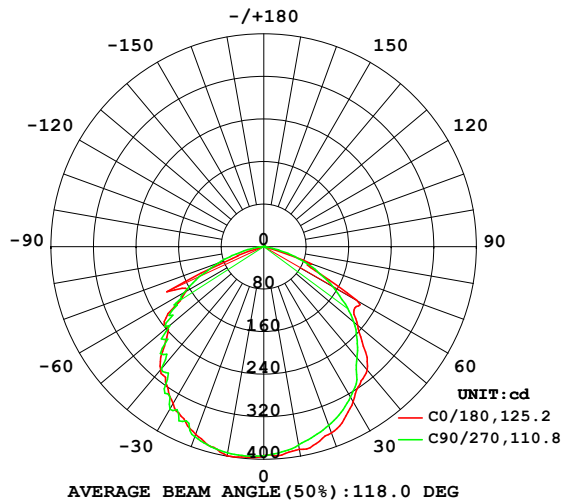


LUMINAIRE PHOTOMETRIC TEST REPORT

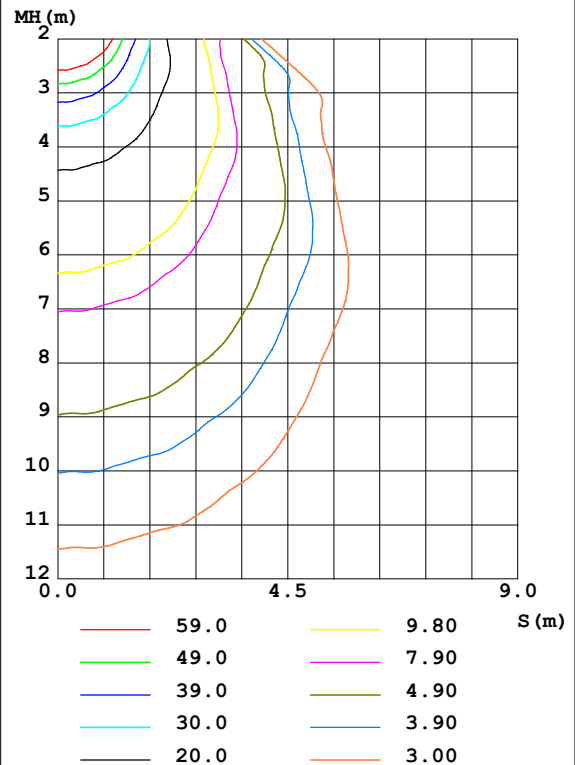
NAME: COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:1FT 透明PC罩	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.16 lm/W			
MODEL	1FT	Imax(cd)	400.4	S/MH(C0/180)	1.26
NOMINAL POWER(W)	10W	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1071.6	η UP,DN(C0-180)	0.3,47.9
NOMINAL FLUX(lm)	1071.65	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:

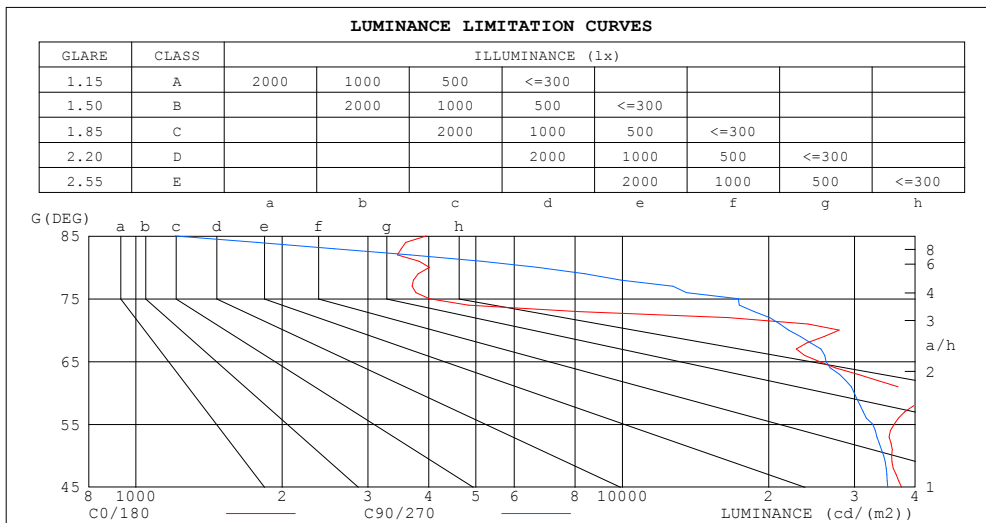
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	387.1	381.4	378.3	384.5	398.9	400.1	393.7	388.4	0- 10	37.20	37.20	3.47,3.47
20	372.6	364.0	357.5	353.0	375.5	387.2	380.1	376.9	10- 20	107.3	144.5	13.5,13.5
30	336.3	332.9	326.4	309.1	341.0	355.9	353.2	342.0	20- 30	163.8	308.3	28.8,28.8
40	302.6	285.3	273.2	281.6	301.8	309.7	299.6	298.8	30- 40	197.8	506.1	47.2,47.2
50	230.2	224.6	221.4	226.7	236.8	251.6	230.6	238.7	40- 50	202.7	708.9	66.1,66.1
60	202.4	149.5	149.8	166.2	169.7	175.7	172.8	169.8	50- 60	179.5	888.4	82.9,82.9
70	95.53	77.07	75.16	116.4	52.39	103.7	91.55	82.98	60- 70	129.1	1017	94.9,94.9
80	6.966	6.986	11.63	6.247	5.803	8.844	24.81	9.133	70- 80	44.09	1062	99.1,99.1
90	1.884	1.902	0.4819	2.455	1.435	2.044	0.0771	2.696	80- 90	4.697	1066	99.5,99.5
100	0.9671	0.9153	0.3637	1.797	0.8981	0.8067	0.0873	2.073	90-100	1.329	1068	99.6,99.6
110	0.7024	0.7749	0.2757	1.753	0.6367	0.6442	0.1745	1.945	100-110	0.9642	1069	99.7,99.7
120	0.5958	0.6829	0.4067	1.557	0.4795	0.5061	0.1866	1.504	110-120	0.7752	1069	99.8,99.8
130	0.5594	0.6878	0.5667	1.499	0.4553	0.5207	0.3077	1.589	120-130	0.6815	1070	99.8,99.8
140	0.5909	0.7289	0.6321	1.269	0.4553	0.4650	0.4458	1.485	130-140	0.5964	1071	99.9,99.9
150	0.6757	0.6999	0.5206	0.8189	0.4917	0.5061	0.5427	1.327	140-150	0.4568	1071	99.9,99.9
160	0.6903	0.5302	0.4383	1.265	0.5981	0.5159	0.6104	1.322	150-160	0.3335	1071	100,100
170	0.4966	0.4844	0.4649	1.349	0.5156	0.5013	0.6345	1.037	160-170	0.2035	1072	100,100
180	0.4650	0.5279	0.7508	1.504	0.4674	0.5279	0.6805	1.465	170-180	0.0681	1072	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	3955	1206
80	4011	6696
75	4013	17309
70	27931	21976
65	25403	26228
60	40477	29950
55	36225	32748
50	35812	34445
45	37502	35134

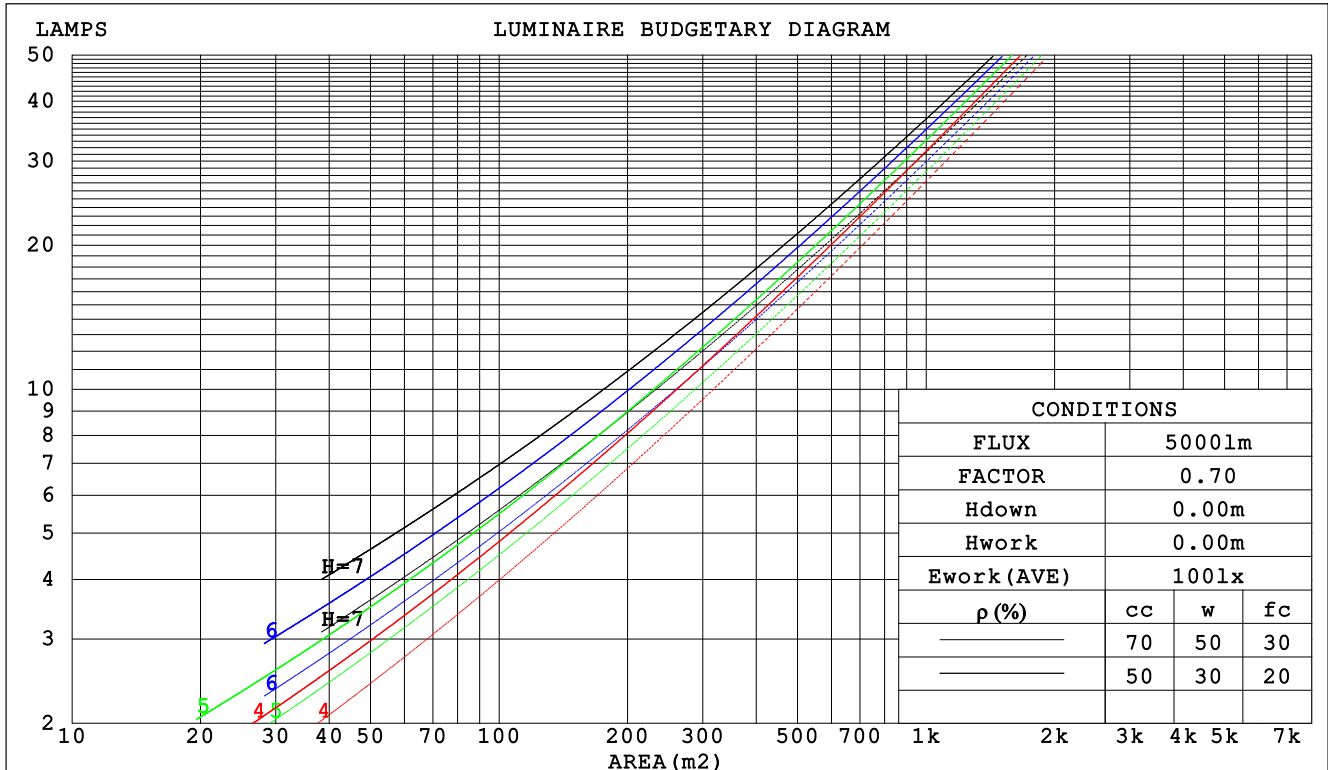
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-12-29

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	.99
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	.81	.90	.85	.80	.87	.82	.78	.84	.79	.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	.48	.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	.273	.156	.049	.259	.149	.048	.247	.142	.046	.236	.137	.044		
2.0	.272	.149	.046	.265	.146	.045	.254	.141	.044	.243	.136	.043	.233	.132	.042		
3.0	.256	.136	.041	.250	.134	.040	.240	.130	.040	.230	.126	.039	.221	.123	.038		
4.0	.239	.124	.037	.234	.123	.036	.225	.119	.036	.216	.116	.035	.208	.113	.034		
5.0	.223	.114	.033	.218	.112	.033	.210	.109	.032	.203	.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	.141	.156	.138	.121	.107	.095	.084	.061	.055	.049	.020	.018	.016	
2.0	.173	.136	.104	.149	.117	.090	.102	.081	.063	.059	.047	.037	.019	.015	.012	
3.0	.166	.118	.080	.142	.102	.070	.098	.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	.082	.045	.089	.057	.032	.052	.033	.019	.017	.011	.006	
6.0	.144	.086	.044	.124	.074	.038	.086	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.138	.079	.038	.118	.068	.033	.082	.048	.023	.048	.028	.014	.015	.009	.005	
8.0	.131	.073	.033	.113	.063	.029	.078	.045	.021	.046	.026	.012	.015	.009	.004	
9.0	.126	.068	.030	.108	.059	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.120	.064	.027	.103	.056	.023	.072	.039	.017	.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					25.4	26.8	25.6	27.0	27.3	24.8	26.2	25.0	26.4	26.7
3H					26.4	27.7	26.7	28.0	28.2	25.9	27.2	26.2	27.5	27.7
4H					26.3	27.6	26.7	27.9	28.1	26.1	27.4	26.4	27.6	27.9
6H					26.3	27.5	26.6	27.7	28.0	26.1	27.3	26.5	27.6	27.9
8H					26.2	27.4	26.6	27.7	28.0	26.1	27.2	26.4	27.5	27.8
12H					26.2	27.3	26.5	27.6	27.9	26.0	27.1	26.4	27.4	27.7
4H 2H					25.8	27.1	26.1	27.3	27.6	25.3	26.6	25.7	26.9	27.2
3H					26.9	28.0	27.3	28.3	28.6	26.5	27.7	26.9	28.0	28.3
4H					26.9	27.9	27.3	28.3	28.6	26.8	27.9	27.2	28.2	28.5
6H					26.9	27.8	27.3	28.1	28.5	26.9	27.8	27.3	28.1	28.5
8H					26.8	27.7	27.2	28.0	28.4	26.8	27.7	27.3	28.0	28.4
12H					26.8	27.6	27.2	27.9	28.4	26.8	27.6	27.2	28.0	28.4
8H 4H					27.0	27.8	27.4	28.2	28.6	26.9	27.7	27.3	28.1	28.5
6H					26.9	27.6	27.4	28.0	28.4	26.9	27.6	27.4	28.0	28.5
8H					26.9	27.5	27.4	27.9	28.4	26.9	27.5	27.4	27.9	28.4
12H					26.9	27.4	27.4	27.8	28.3	26.9	27.4	27.4	27.8	28.3
12H 4H					26.9	27.7	27.3	28.1	28.5	26.8	27.6	27.3	28.0	28.4
6H					26.9	27.5	27.3	27.9	28.4	26.9	27.5	27.4	27.9	28.4
8H					26.9	27.4	27.3	27.8	28.3	26.9	27.4	27.4	27.8	28.3
Variations with the observer position at spacings:														
S = 1.0H					+ 0.3 / - 0.5					+ 0.3 / - 0.3				
1.5H					+ 0.6 / - 0.9					+ 0.2 / - 0.4				
2.0H					+ 0.9 / - 1.1					+ 0.5 / - 0.5				

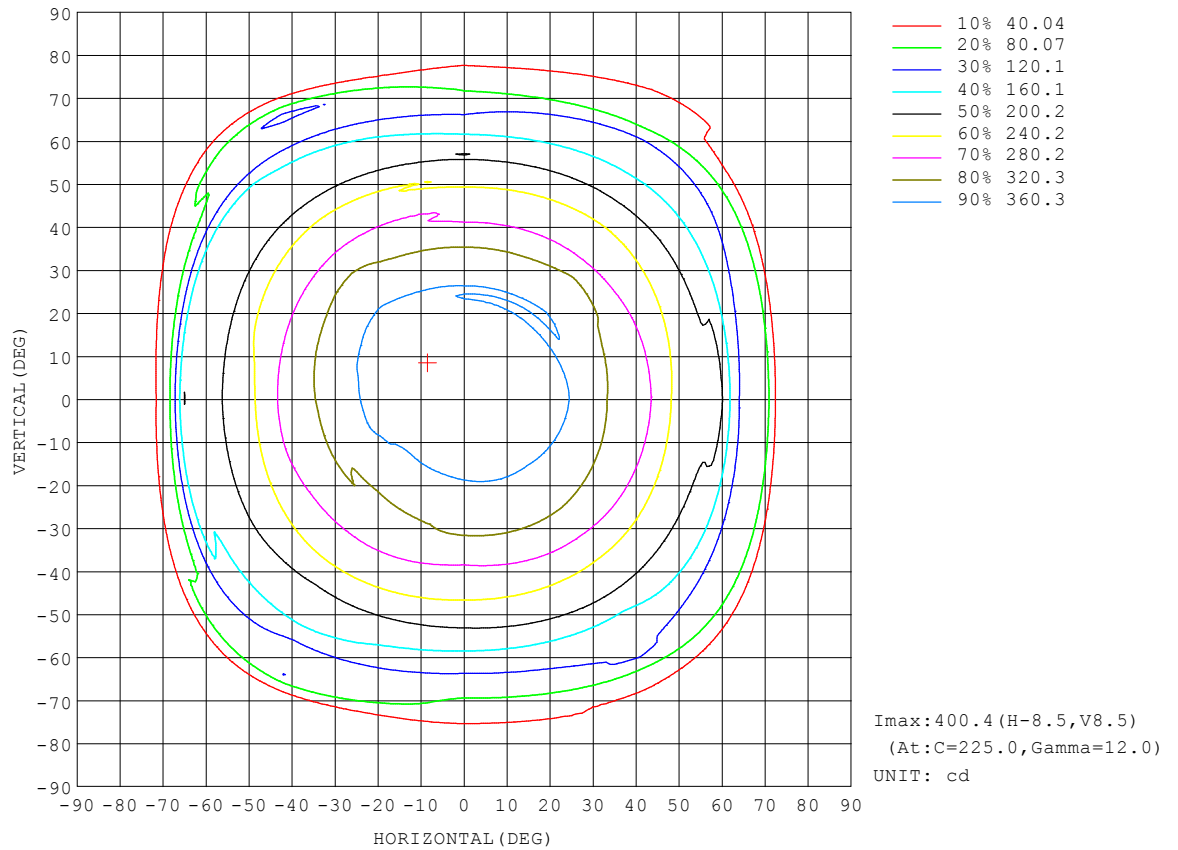
CIE Pub.117 Corrected 1072 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

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:

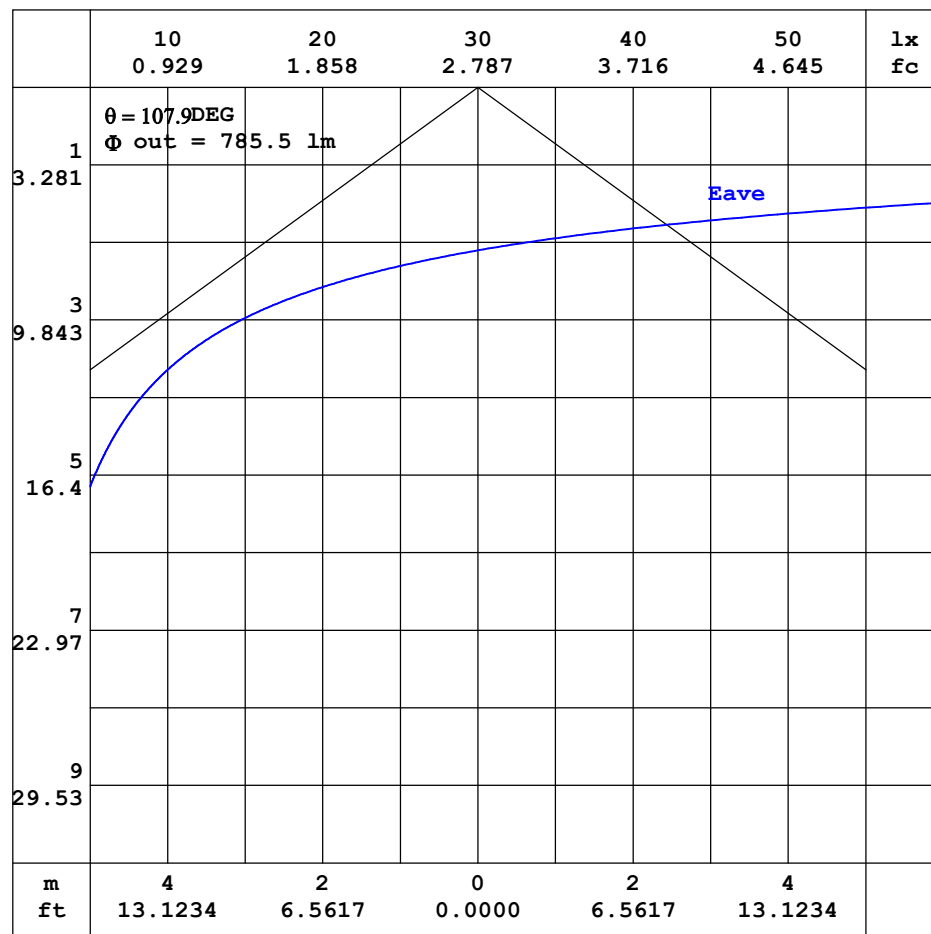


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-29

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:



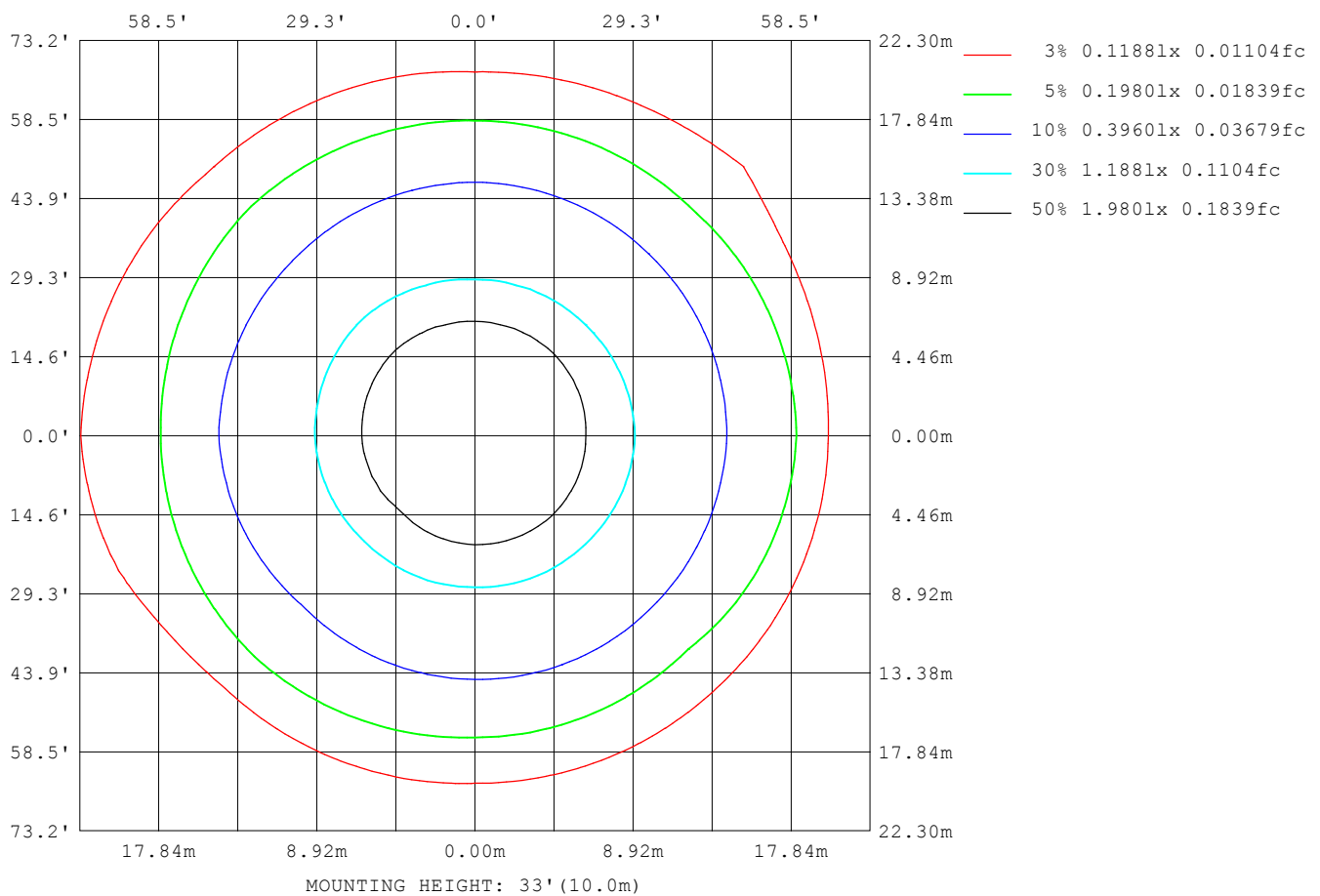
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

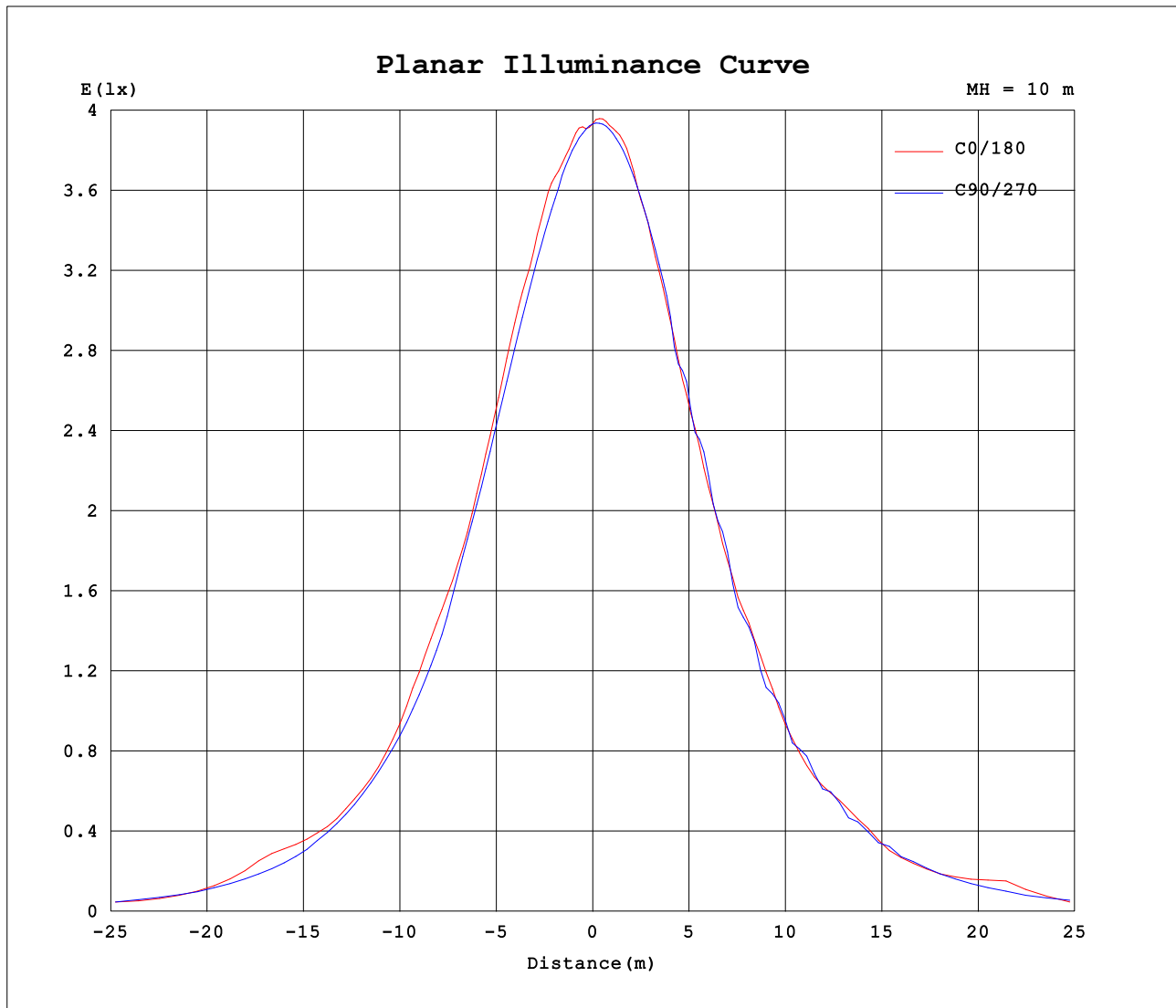
AvgL	cd/m2
L_0~180 (65) av	36537
L_0~180 (75) av	3835
L_0~180 (85) av	3546
L_90~270 (65) av	28916
L_90~270 (75) av	19057
L_90~270 (85) av	3625
L_45 (65) av	32189
L_45 (75) av	16415
L_45 (85) av	4408

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	393	395	393	391	393	395	393	391										
5	393	388	388	369	397	399	395	366										
10	387	381	378	385	399	400	394	388										
15	383	369	369	367	389	397	389	378										
20	373	364	357	353	375	387	380	377										
25	358	348	344	333	357	372	363	359										
30	336	333	326	309	341	356	353	342										
35	316	312	305	295	319	334	327	324										
40	303	285	273	282	302	310	300	299										
45	265	254	248	256	264	274	270	274										
50	230	225	221	227	237	252	231	239										
55	208	192	188	183	220	208	211	205										
60	202	150	150	166	170	176	173	170										
65	107	125	111	113	201	148	134	158										
70	95.5	77.1	75.2	116	52.4	104	91.6	83.0										
75	10.4	37.2	44.8	25.8	9.46	52.6	53.8	54.4										
80	6.97	6.99	11.6	6.25	5.80	8.84	24.8	9.13										
85	3.45	3.29	1.05	3.99	2.73	4.04	5.27	4.04										
90	1.88	1.90	0.48	2.45	1.44	2.04	0.08	2.70										
95	1.34	1.20	0.48	1.98	1.09	1.20	0.06	2.11										
100	0.97	0.92	0.36	1.80	0.90	0.81	0.09	2.07										
105	0.76	0.85	0.19	1.78	0.73	0.71	0.12	2.08										
110	0.70	0.77	0.28	1.75	0.64	0.64	0.17	1.95										
115	0.63	0.71	0.36	1.53	0.49	0.59	0.20	1.54										
120	0.60	0.68	0.41	1.56	0.48	0.51	0.19	1.50										
125	0.58	0.69	0.55	1.57	0.42	0.49	0.25	1.53										
130	0.56	0.69	0.57	1.50	0.46	0.52	0.31	1.59										
135	0.59	0.71	0.62	1.37	0.44	0.51	0.36	1.56										
140	0.59	0.73	0.63	1.27	0.46	0.47	0.45	1.48										
145	0.64	0.73	0.55	1.11	0.47	0.47	0.50	1.40										
150	0.68	0.70	0.52	0.82	0.49	0.51	0.54	1.33										
155	0.69	0.67	0.42	1.02	0.53	0.55	0.60	1.28										
160	0.69	0.53	0.44	1.26	0.60	0.52	0.61	1.32										
165	0.58	0.48	0.45	1.41	0.55	0.51	0.65	1.07										
170	0.50	0.48	0.46	1.35	0.52	0.50	0.63	1.04										
175	0.47	0.52	0.80	1.26	0.48	0.51	0.63	1.30										
180	0.46	0.53	0.75	1.50	0.47	0.53	0.68	1.47										

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: