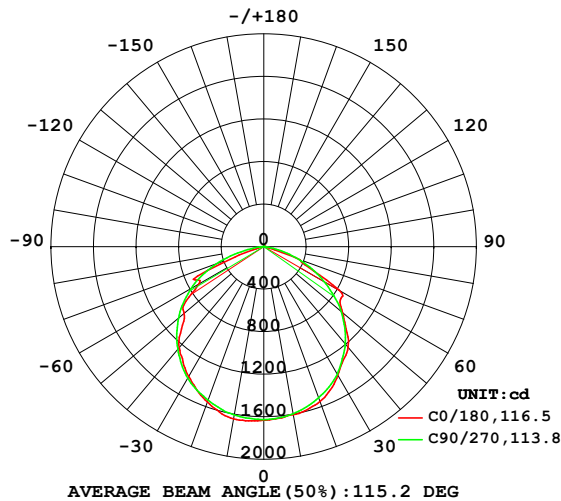


LUMINAIRE PHOTOMETRIC TEST REPORT

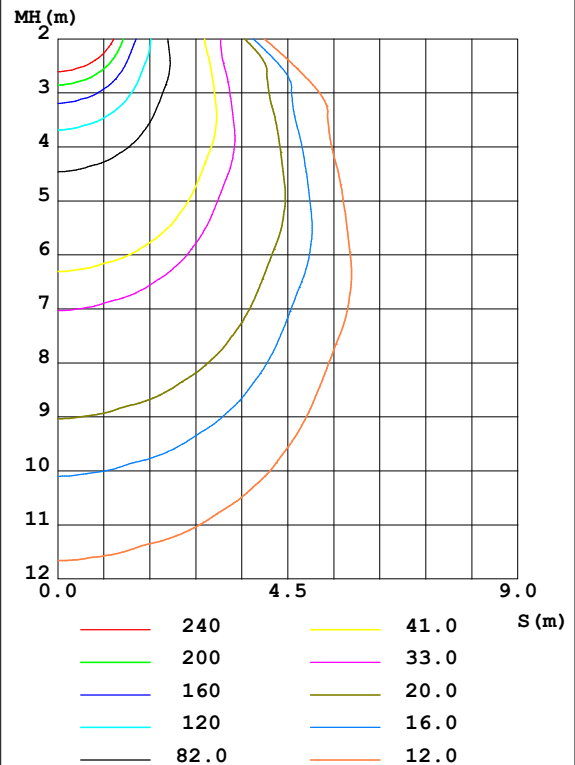
NAME: COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.05 lm/W			
MODEL	4FT	I _{max} (cd)	1646	S/MH (C0/180)	1.26
NOMINAL POWER(W)	40W	LOR(%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4547.7	η UP,DN (C0-180)	0.2,49.2
NOMINAL FLUX(lm)	4547.72	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.2,50.5
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:

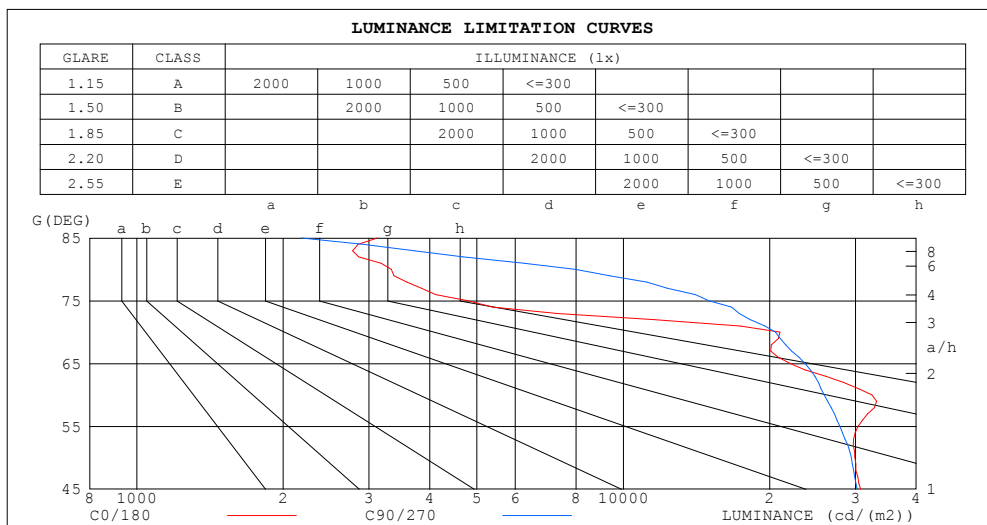
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1606	1594	1595	1622	1644	1637	1607	1587	0- 10	154.6	154.6	3.4,3.4
20	1549	1533	1512	1576	1555	1570	1536	1528	10- 20	448.1	602.7	13.3,13.3
30	1394	1414	1383	1447	1412	1434	1429	1407	20- 30	685.7	1288	28.3,28.3
40	1233	1198	1193	1253	1239	1249	1258	1194	30- 40	829.5	2118	46.6,46.6
50	969.5	974.9	953.4	1016	978.7	1020	1046	968.9	40- 50	857.4	2975	65.4,65.4
60	817.0	679.3	651.7	702.0	705.2	752.0	788.6	653.5	50- 60	766.7	3742	82.3,82.3
70	362.0	306.0	354.1	407.7	286.3	526.4	471.8	343.2	60- 70	562.5	4304	94.7,94.7
80	29.21	31.20	69.74	64.35	25.82	38.92	125.1	32.14	70- 80	205.2	4510	99.2,99.2
90	7.652	7.716	0.3349	9.601	7.676	9.460	2.083	7.430	80- 90	22.63	4532	99.7,99.7
100	3.752	3.169	0.4091	3.527	4.161	3.899	0.4870	2.856	90-100	4.554	4537	99.8,99.8
110	2.505	2.492	0.6777	2.611	2.775	2.407	0.6662	1.943	100-110	2.484	4539	99.8,99.8
120	2.190	2.196	0.9829	2.407	2.298	2.204	0.9132	2.180	110-120	1.968	4541	99.9,99.9
130	2.097	2.284	1.264	2.269	2.153	2.141	1.173	2.465	120-130	1.744	4543	99.9,99.9
140	2.279	2.569	1.640	2.180	2.131	2.129	1.446	2.177	130-140	1.555	4545	99.9,99.9
150	2.860	2.501	1.685	2.218	2.211	2.179	1.640	1.974	140-150	1.323	4546	100,100
160	2.909	2.388	1.874	2.334	2.582	2.373	1.858	1.920	150-160	1.032	4547	100,100
170	2.308	2.134	1.976	2.121	2.281	2.209	1.979	2.131	160-170	0.6297	4548	100,100
180	2.088	2.020	1.979	2.013	2.090	2.022	1.974	2.015	170-180	0.1989	4548	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	3121	2178
80	3337	7968
75	4789	14991
70	21002	20541
65	22037	23638
60	32419	25859
55	30400	27851
50	29925	29430
45	30775	30263

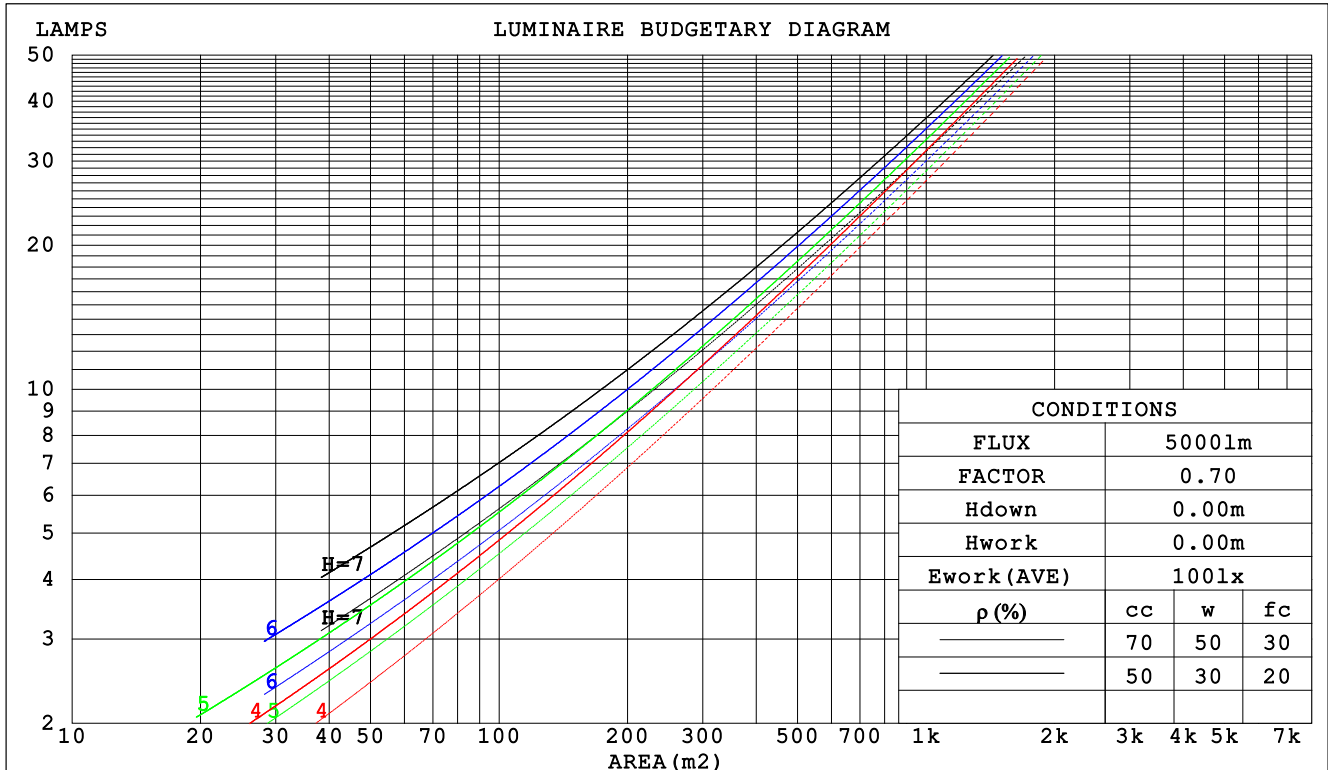
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

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	.76	.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	.71	.63	.56	.68	.61	.56	.66	.60	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.53	.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	.161	.051	.276	.158	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045		
2.0	.275	.151	.046	.269	.148	.046	.257	.143	.044	.246	.138	.043	.236	.133	.042		
3.0	.258	.138	.041	.253	.135	.041	.243	.131	.040	.233	.128	.039	.224	.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	.108	.032	.197	.105	.032		
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.030	.191	.099	.029	.185	.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	.089	.025	.174	.087	.025	.168	.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	.074	.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	.157	.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	.054	.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	24.8	26.3	25.1	26.5	26.7	24.4	25.9	24.7	26.1	26.3
3H	25.8	27.1	26.1	27.4	27.6	25.6	26.9	25.9	27.2	27.4
4H	25.7	27.0	26.1	27.3	27.5	25.8	27.1	26.1	27.4	27.6
6H	25.7	26.9	26.0	27.1	27.4	25.9	27.1	26.2	27.4	27.6
8H	25.6	26.8	25.9	27.1	27.4	25.8	27.0	26.2	27.3	27.6
12H	25.6	26.7	25.9	27.0	27.3	25.8	26.9	26.1	27.2	27.5
4H 2H	25.4	26.7	25.7	26.9	27.2	25.1	26.4	25.4	26.6	26.9
3H	26.3	27.5	26.7	27.8	28.1	26.2	27.4	26.6	27.7	28.0
4H	26.4	27.4	26.7	27.7	28.1	26.6	27.6	26.9	27.9	28.2
6H	26.3	27.2	26.7	27.6	27.9	26.6	27.5	27.0	27.9	28.3
8H	26.3	27.1	26.7	27.5	27.9	26.6	27.4	27.0	27.8	28.2
12H	26.2	27.0	26.7	27.4	27.8	26.6	27.3	27.0	27.7	28.1
8H 4H	26.4	27.2	26.8	27.6	28.0	26.6	27.4	27.0	27.8	28.2
6H	26.3	27.0	26.8	27.4	27.9	26.6	27.3	27.1	27.7	28.2
8H	26.3	26.9	26.8	27.3	27.8	26.6	27.2	27.1	27.7	28.1
12H	26.3	26.8	26.8	27.2	27.7	26.6	27.1	27.1	27.6	28.1
12H 4H	26.3	27.1	26.8	27.5	27.9	26.5	27.3	26.9	27.7	28.1
6H	26.3	26.9	26.8	27.3	27.8	26.6	27.2	27.1	27.6	28.1
8H	26.3	26.8	26.8	27.2	27.7	26.6	27.1	27.1	27.6	28.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
1.5H	+ 0.5 / - 0.9					+ 0.2 / - 0.5				
2.0H	+ 0.7 / - 1.3					+ 0.4 / - 0.7				

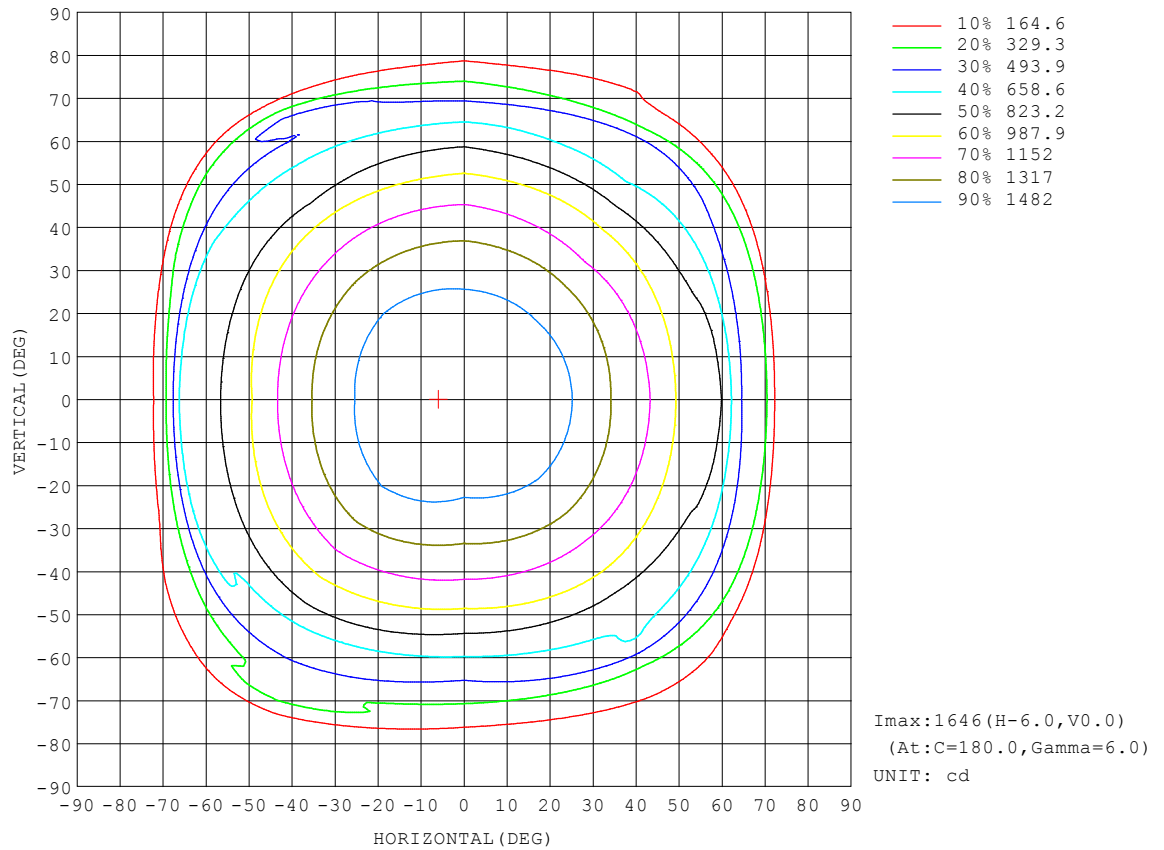
CIE Pub.117 Corrected 4548 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.3)

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:

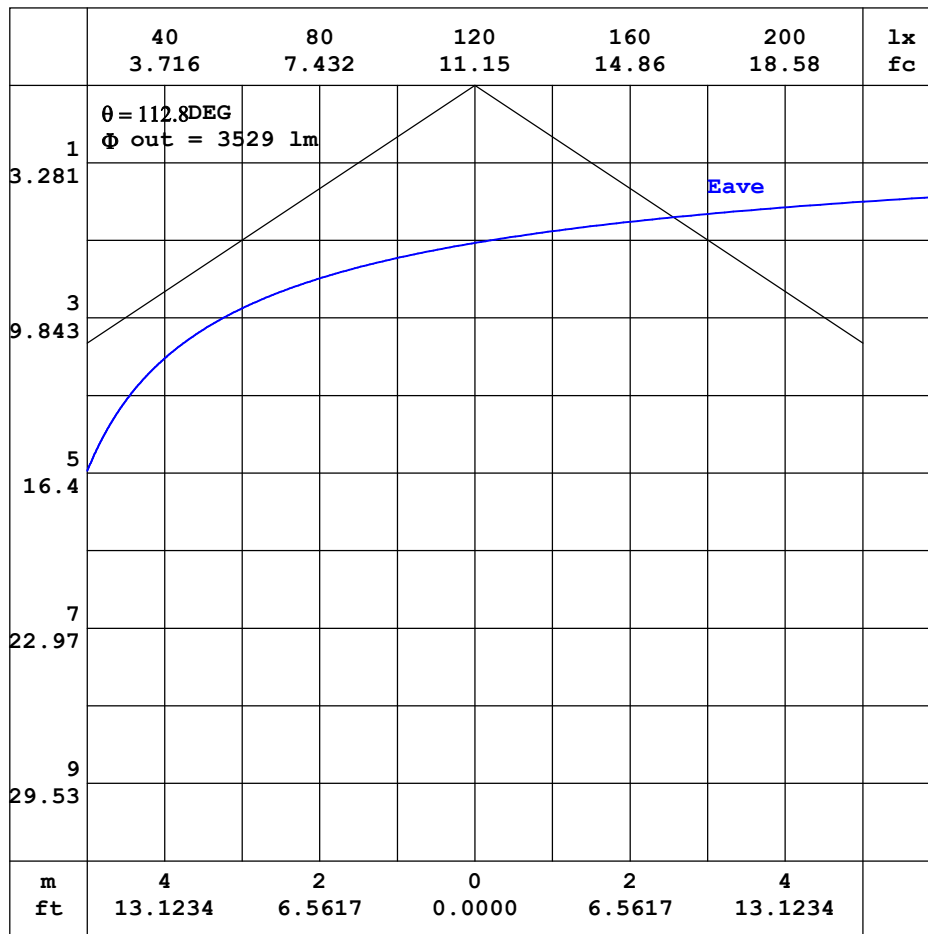


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

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:



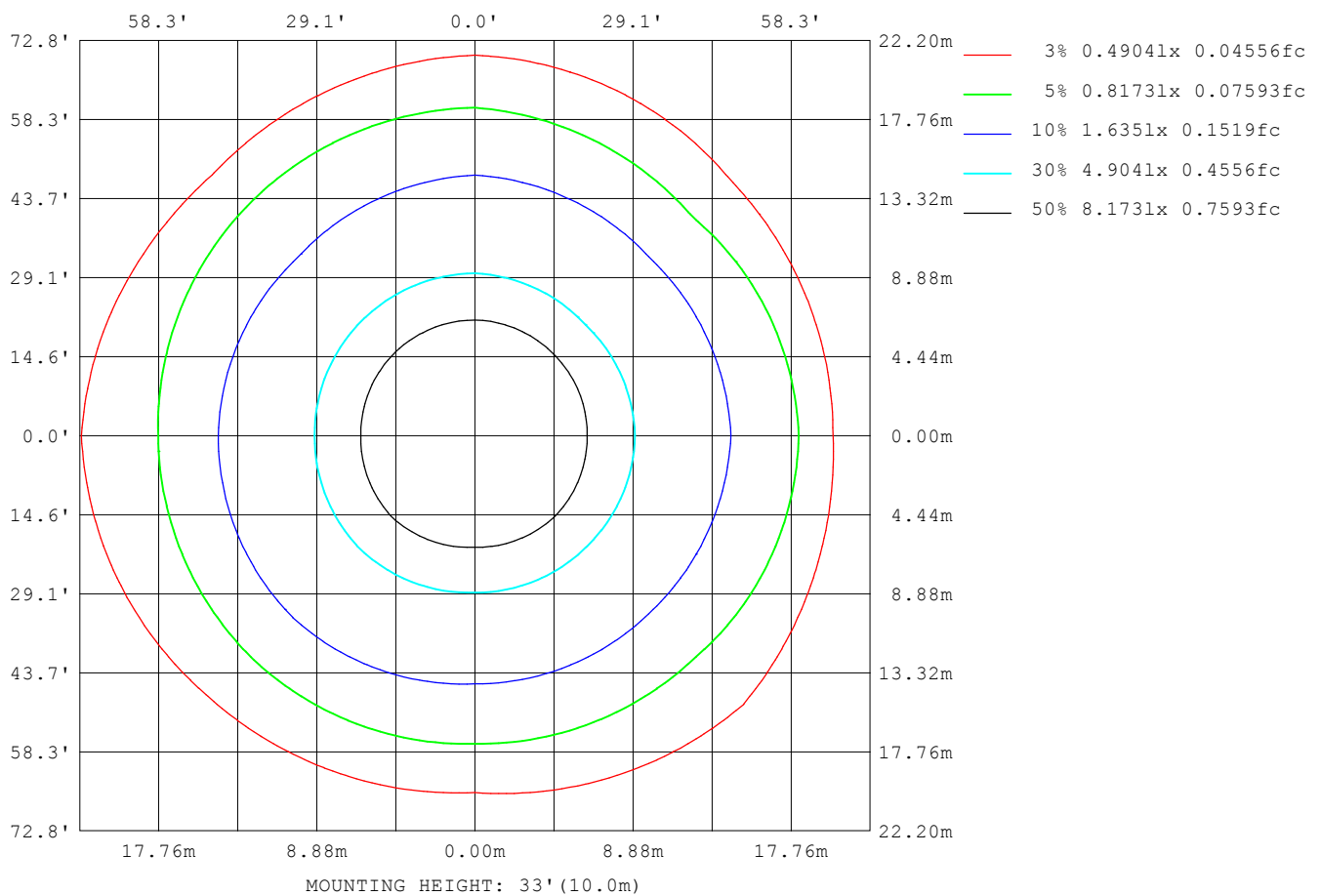
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

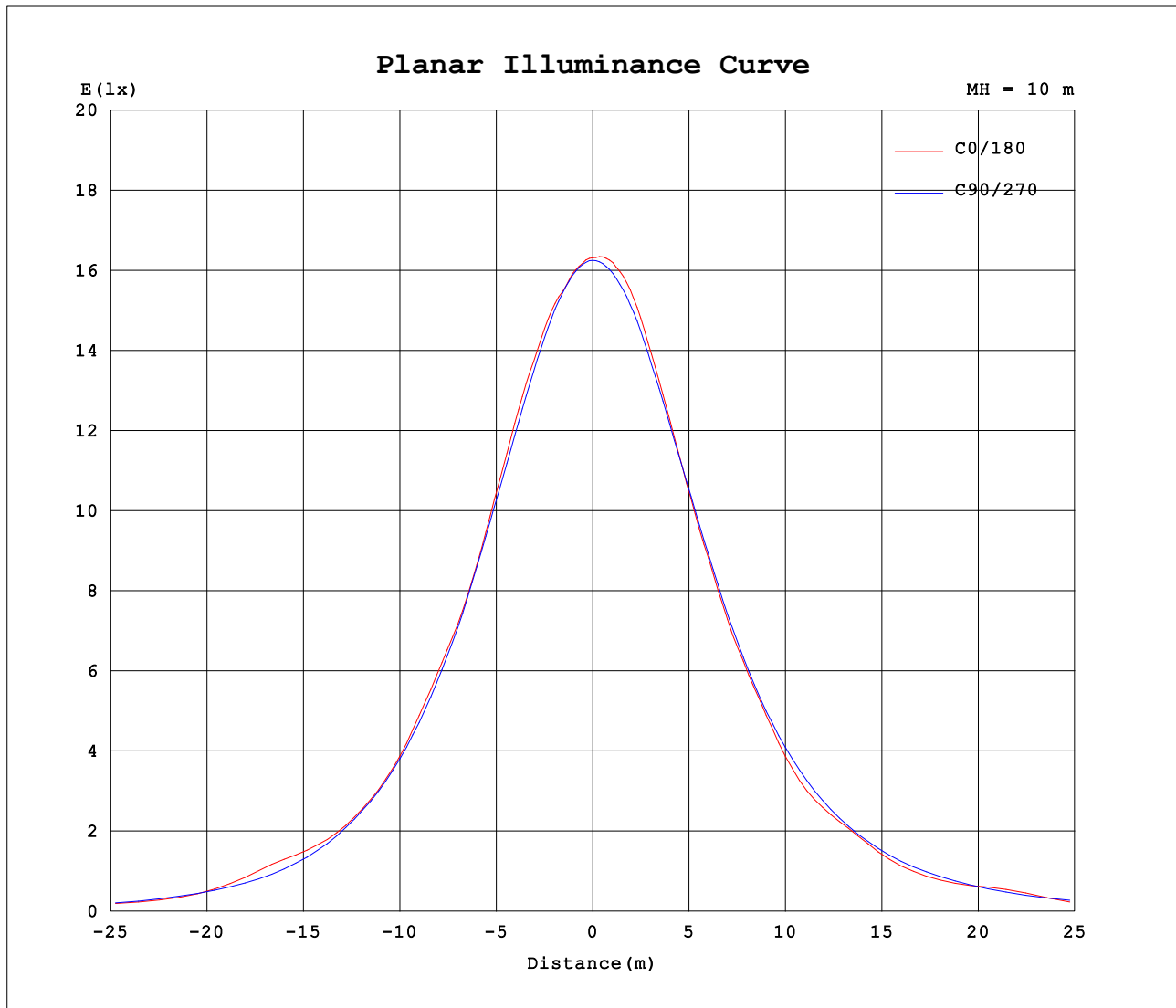
AvgL	cd/m2
L_0~180 (65) av	28210
L_0~180 (75) av	4733
L_0~180 (85) av	3092
L_90~270 (65) av	26844
L_90~270 (75) av	18575
L_90~270 (85) av	4586
L_45 (65) av	27962
L_45 (75) av	17128
L_45 (85) av	3680

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	1632	1630	1626	1621	1632	1630	1626	1621										
5	1621	1616	1617	1623	1645	1640	1621	1611										
10	1606	1594	1595	1622	1644	1637	1607	1587										
15	1586	1570	1560	1607	1612	1618	1578	1569										
20	1549	1533	1512	1576	1555	1570	1536	1528										
25	1484	1483	1454	1521	1489	1511	1488	1478										
30	1394	1414	1383	1447	1412	1434	1429	1407										
35	1304	1317	1288	1362	1325	1347	1349	1312										
40	1233	1198	1193	1253	1239	1249	1258	1194										
45	1097	1100	1079	1146	1096	1138	1159	1073										
50	969	975	953	1016	979	1020	1046	969										
55	879	812	805	899	894	834	925	811										
60	817	679	652	702	705	752	789	653										
65	469	641	503	606	732	569	640	567										
70	362	306	354	408	286	526	472	343										
75	62.5	164	196	392	61.0	177	289	160										
80	29.2	31.2	69.7	64.3	25.8	38.9	125	32.1										
85	13.7	13.2	9.57	19.4	13.5	18.5	30.7	13.6										
90	7.65	7.72	0.33	9.60	7.68	9.46	2.08	7.43										
95	5.40	4.76	0.34	5.44	5.53	5.83	0.46	3.94										
100	3.75	3.17	0.41	3.53	4.16	3.90	0.49	2.86										
105	2.83	2.67	0.53	3.04	3.30	3.16	0.60	2.56										
110	2.50	2.49	0.68	2.61	2.77	2.41	0.67	1.94										
115	2.33	2.31	0.83	2.52	2.47	2.38	0.80	2.26										
120	2.19	2.20	0.98	2.41	2.30	2.20	0.91	2.18										
125	2.16	2.19	1.19	2.31	2.23	2.14	1.03	2.28										
130	2.10	2.28	1.26	2.27	2.15	2.14	1.17	2.47										
135	2.15	2.42	1.38	2.23	2.13	2.13	1.31	2.31										
140	2.28	2.57	1.64	2.18	2.13	2.13	1.45	2.18										
145	2.63	2.59	1.57	2.16	2.13	2.11	1.56	2.06										
150	2.86	2.50	1.69	2.22	2.21	2.18	1.64	1.97										
155	2.98	2.48	1.78	2.33	2.37	2.32	1.75	1.90										
160	2.91	2.39	1.87	2.33	2.58	2.37	1.86	1.92										
165	2.60	2.24	1.94	2.21	2.54	2.22	1.94	1.99										
170	2.31	2.13	1.98	2.12	2.28	2.21	1.98	2.13										
175	2.14	2.05	1.99	2.06	2.13	2.04	1.98	2.01										
180	2.09	2.02	1.98	2.01	2.09	2.02	1.97	2.01										

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: