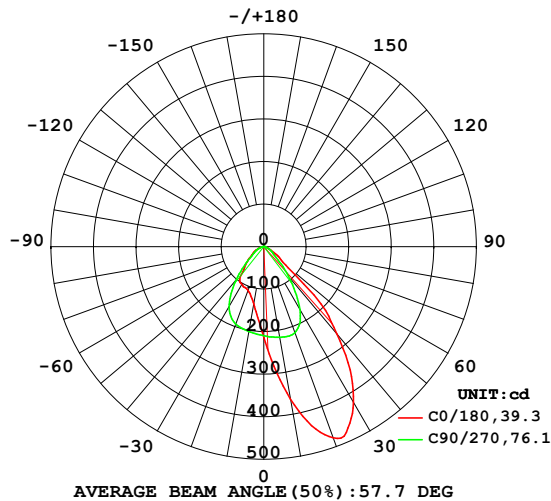


LUMINAIRE PHOTOMETRIC TEST REPORT

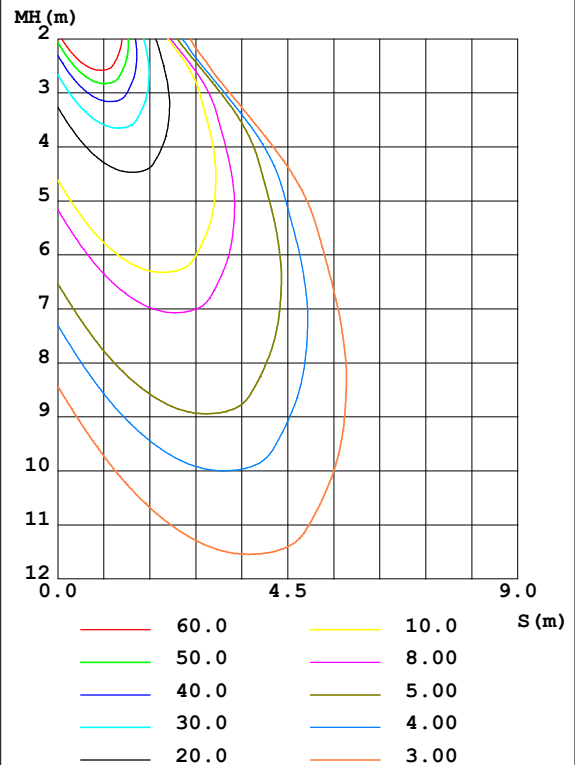
NAME: COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:1FT-偏光透镜	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.83 lm/W			
MODEL		I _{max} (cd)	510.7	S/MH (C0/180)	1.47
NOMINAL POWER (W)	5W	LOR (%)	100.0	S/MH (C90/270)	1.13
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm)	508.65	η UP, DN (C0-180)	0.1, 56.5
NOMINAL FLUX (lm)	508.645	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 43.3
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120.0	η down (%)	99.8	CIBSE SHR MAX	0.80

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:

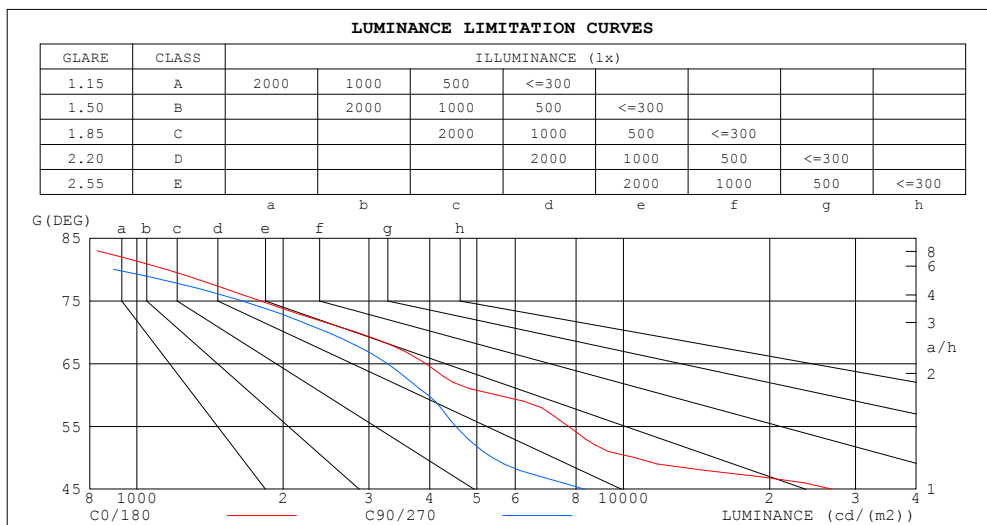
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	363.7	315.8	216.3	157.8	137.0	147.8	202.5	313.1	0- 10	21.24	21.24	4.17,4.17
20	478.3	446.1	215.4	123.8	109.8	117.2	193.8	411.7	10- 20	70.82	92.05	18.1,18.1
30	422.6	503.7	170.3	102.5	102.7	103.9	163.3	430.7	20- 30	120.1	212.2	41.7,41.7
40	267.3	351.8	90.62	80.68	76.90	89.34	99.55	351.3	30- 40	135.2	347.3	68.3,68.3
50	67.85	138.8	34.59	50.10	47.56	53.14	43.51	150.2	40- 50	95.47	442.8	87.1,87.1
60	27.44	24.86	19.84	24.77	27.31	27.52	23.65	27.75	50- 60	40.49	483.3	95,95
70	9.663	7.916	8.424	11.77	13.05	12.87	11.51	9.868	60- 70	17.05	500.4	98.4,98.4
80	1.995	1.417	1.554	3.329	2.504	2.771	2.791	2.362	70- 80	6.183	506.5	99.6,99.6
90	0.0004	0.0168	0	1.485	0	0.0006	0	0.3880	80- 90	0.9760	507.5	99.8,99.8
100	0	0	0	1.574	0	0	0	0.3246	90-100	0.2557	507.8	99.8,99.8
110	0	0	0	1.620	0	0	0	0.3182	100-110	0.2560	508.0	99.9,99.9
120	0	0	0	0.7598	0.0243	0.0218	0	0.3342	110-120	0.1971	508.2	99.9,99.9
130	0.0097	0.0121	0.0339	0.1889	0.1116	0.1016	0.0194	0.2253	120-130	0.0949	508.3	99.9,99.9
140	0.0338	0.0363	0.0847	0.1818	0.2157	0.1718	0.0703	0.1067	130-140	0.0767	508.4	100,100
150	0.0557	0.0703	0.1234	0.2228	0.2908	0.2179	0.1090	0.1114	140-150	0.0822	508.5	100,100
160	0.1041	0.1187	0.1598	0.2591	0.3342	0.2664	0.1623	0.1815	150-160	0.0799	508.6	100,100
170	0.1646	0.1744	0.1865	0.2591	0.3220	0.2737	0.1962	0.2615	160-170	0.0605	508.6	100,100
180	0.2567	0.2131	0.1986	0.4698	0.2567	0.2204	0.1962	0.5207	170-180	0.0238	508.6	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.:1FT-偏光透镜	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	647	260
80	1149	895
75	1793	1643
70	2825	2463
65	3921	3272
60	5488	3967
55	7707	4521
50	10556	5381
45	26860	8333

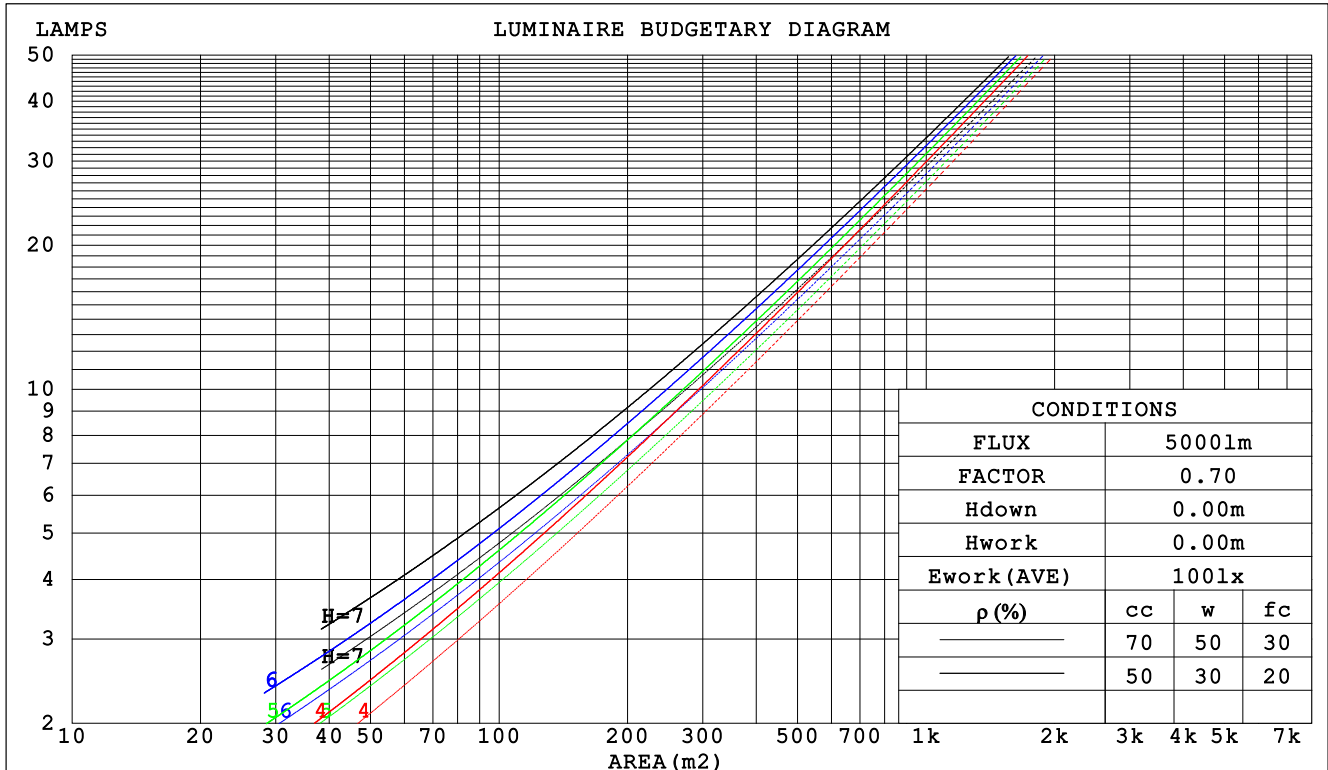
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

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.:1FT-偏光透镜	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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.99	.97	.98	.96	.94	.94	.93	.92	.90
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.89	.86	.83	.87	.84	.81	.80
3.0	.89	.82	.77	.87	.81	.76	.84	.79	.75	.82	.77	.74	.79	.76	.73	.71
4.0	.80	.73	.68	.79	.72	.67	.77	.71	.66	.75	.70	.66	.73	.68	.65	.63
5.0	.73	.66	.60	.72	.65	.60	.70	.64	.59	.68	.63	.59	.67	.62	.58	.56
6.0	.67	.59	.54	.66	.59	.54	.64	.58	.53	.63	.57	.53	.61	.56	.52	.51
7.0	.61	.54	.48	.61	.53	.48	.59	.53	.48	.58	.52	.48	.56	.51	.47	.46
8.0	.56	.49	.44	.56	.49	.44	.55	.48	.43	.53	.48	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.39	.48	.43	.39	.38
10.0	.48	.41	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34



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.:1FT-偏光透镜	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	.226	.129	.041	.219	.125	.040	.207	.118	.038	.195	.112	.036	.184	.106	.034		
2.0	.221	.121	.037	.215	.118	.036	.204	.113	.035	.193	.108	.034	.184	.104	.033		
3.0	.211	.112	.034	.206	.110	.033	.196	.106	.032	.187	.102	.031	.179	.099	.031		
4.0	.200	.104	.031	.196	.102	.030	.187	.099	.030	.179	.096	.029	.172	.093	.028		
5.0	.190	.097	.028	.186	.095	.028	.178	.093	.027	.171	.090	.027	.165	.088	.026		
6.0	.180	.090	.026	.176	.089	.026	.170	.087	.025	.163	.085	.025	.157	.083	.025		
7.0	.171	.084	.024	.167	.083	.024	.161	.082	.024	.156	.080	.023	.150	.078	.023		
8.0	.162	.079	.022	.159	.078	.022	.154	.077	.022	.149	.075	.022	.144	.074	.021		
9.0	.154	.074	.021	.151	.074	.021	.146	.072	.021	.142	.071	.020	.137	.070	.020		
10.0	.146	.070	.019	.144	.070	.019	.140	.068	.019	.136	.067	.019	.132	.066	.019		

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.176	.159	.143	.151	.136	.123	.103	.094	.085	.059	.054	.049	.019	.017	.016	
2.0	.164	.134	.108	.141	.115	.094	.097	.080	.065	.056	.046	.038	.018	.015	.012	
3.0	.155	.116	.084	.133	.100	.073	.091	.069	.051	.053	.040	.030	.017	.013	.010	
4.0	.147	.102	.067	.126	.088	.058	.086	.061	.041	.050	.036	.024	.016	.012	.008	
5.0	.139	.091	.055	.120	.078	.048	.082	.055	.034	.048	.032	.020	.015	.011	.007	
6.0	.133	.082	.046	.114	.071	.040	.079	.050	.028	.046	.029	.017	.015	.010	.006	
7.0	.127	.075	.039	.109	.065	.034	.075	.046	.024	.044	.027	.014	.014	.009	.005	
8.0	.121	.069	.033	.104	.060	.029	.072	.042	.021	.042	.025	.012	.014	.008	.004	
9.0	.116	.064	.029	.100	.056	.026	.069	.039	.018	.040	.023	.011	.013	.008	.004	
10.0	.111	.060	.026	.096	.052	.023	.066	.037	.016	.039	.022	.010	.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.:1FT-偏光透镜					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	22.7	24.0	23.0	24.1	24.3	20.8	22.1	21.1	22.3	22.5
	3H	22.6	23.7	22.9	24.0	24.2	20.8	21.9	21.1	22.1	22.4
	4H	22.5	23.6	22.8	23.8	24.1	20.7	21.8	21.0	22.0	22.3
	6H	22.4	23.5	22.8	23.7	24.0	20.6	21.6	21.0	21.9	22.2
	8H	22.4	23.4	22.7	23.6	23.9	20.6	21.6	20.9	21.8	22.1
	12H	22.4	23.3	22.7	23.6	23.9	20.5	21.5	20.9	21.7	22.0
4H	2H	22.5	23.6	22.8	23.8	24.1	20.7	21.8	21.0	22.0	22.3
	3H	22.4	23.4	22.8	23.6	23.9	20.7	21.6	21.0	21.9	22.2
	4H	22.4	23.2	22.7	23.5	23.8	20.7	21.5	21.0	21.8	22.1
	6H	22.3	23.0	22.7	23.4	23.7	20.6	21.3	21.0	21.7	22.0
	8H	22.3	22.9	22.7	23.3	23.7	20.5	21.2	20.9	21.6	22.0
	12H	22.2	22.8	22.6	23.2	23.6	20.5	21.1	20.9	21.5	21.9
8H	4H	22.3	22.9	22.7	23.3	23.7	20.5	21.2	20.9	21.6	22.0
	6H	22.2	22.7	22.6	23.1	23.6	20.5	21.0	20.9	21.4	21.9
	8H	22.1	22.6	22.6	23.1	23.5	20.4	20.9	20.9	21.3	21.8
	12H	22.1	22.5	22.6	23.0	23.4	20.4	20.8	20.9	21.3	21.7
12H	4H	22.2	22.8	22.6	23.2	23.6	20.5	21.1	20.9	21.5	21.9
	6H	22.1	22.6	22.6	23.0	23.5	20.4	20.9	20.9	21.3	21.8
	8H	22.1	22.5	22.6	23.0	23.4	20.4	20.8	20.9	21.3	21.7
Variations with the observer position at spacings:											
S = 1.0H	+ 2.5 / - 5.8					+ 3.3 / - 5.6					
1.5H	+ 2.4 / - 5.3					+ 2.8 / - 6.1					
2.0H	+ 5.0 / - 5.7					+ 4.0 / - 4.2					

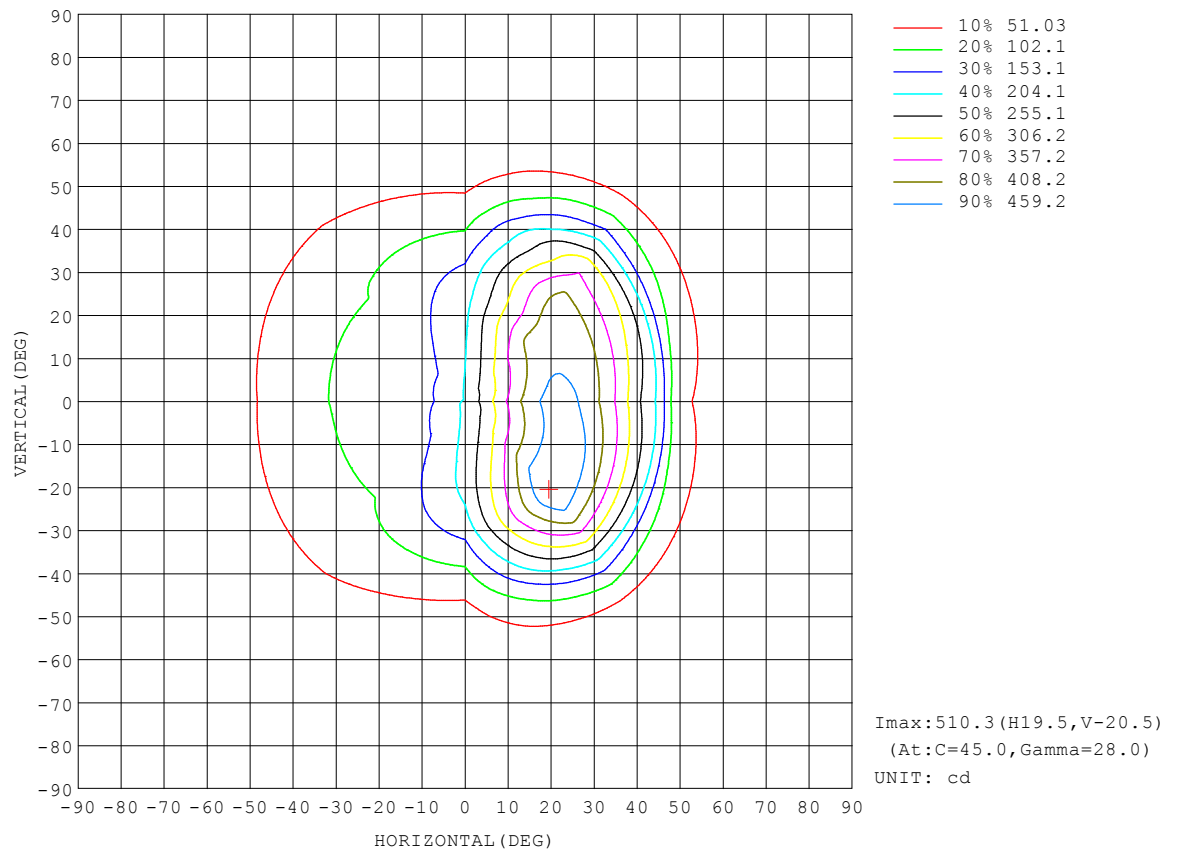
CIE Pub.117 Corrected 508.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.3)

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.:1FT-偏光透镜	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

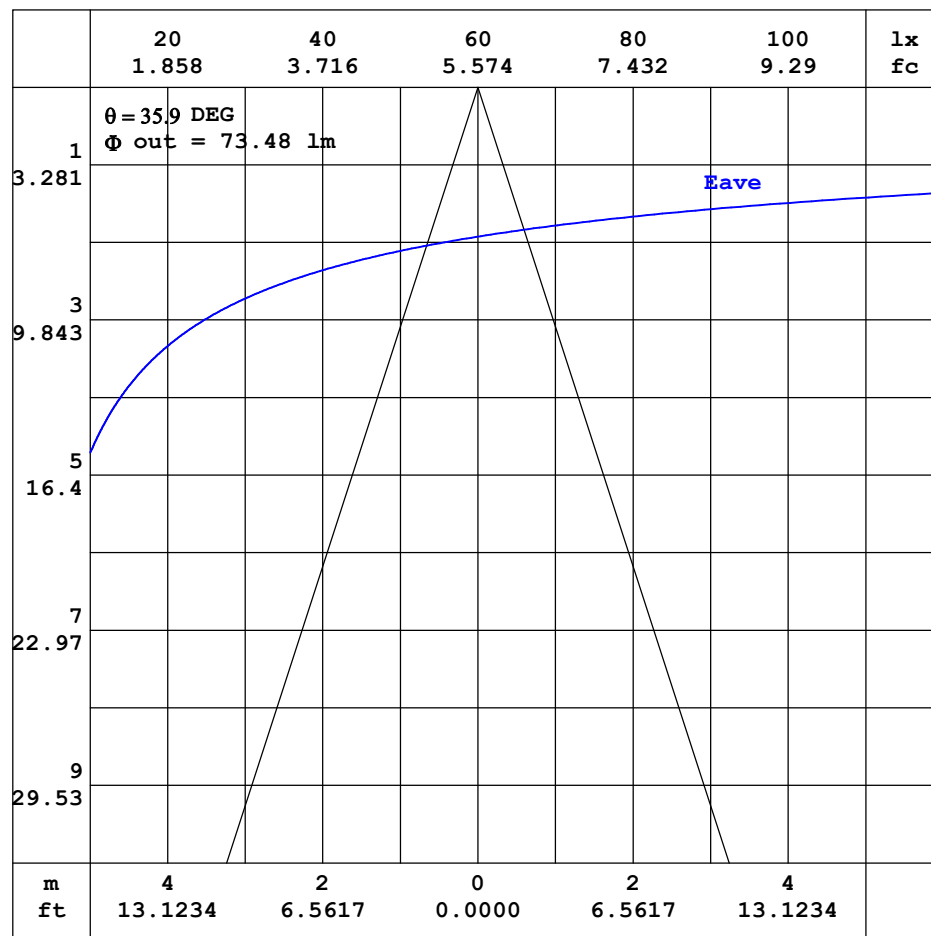


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

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.:1FT-偏光透镜	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:



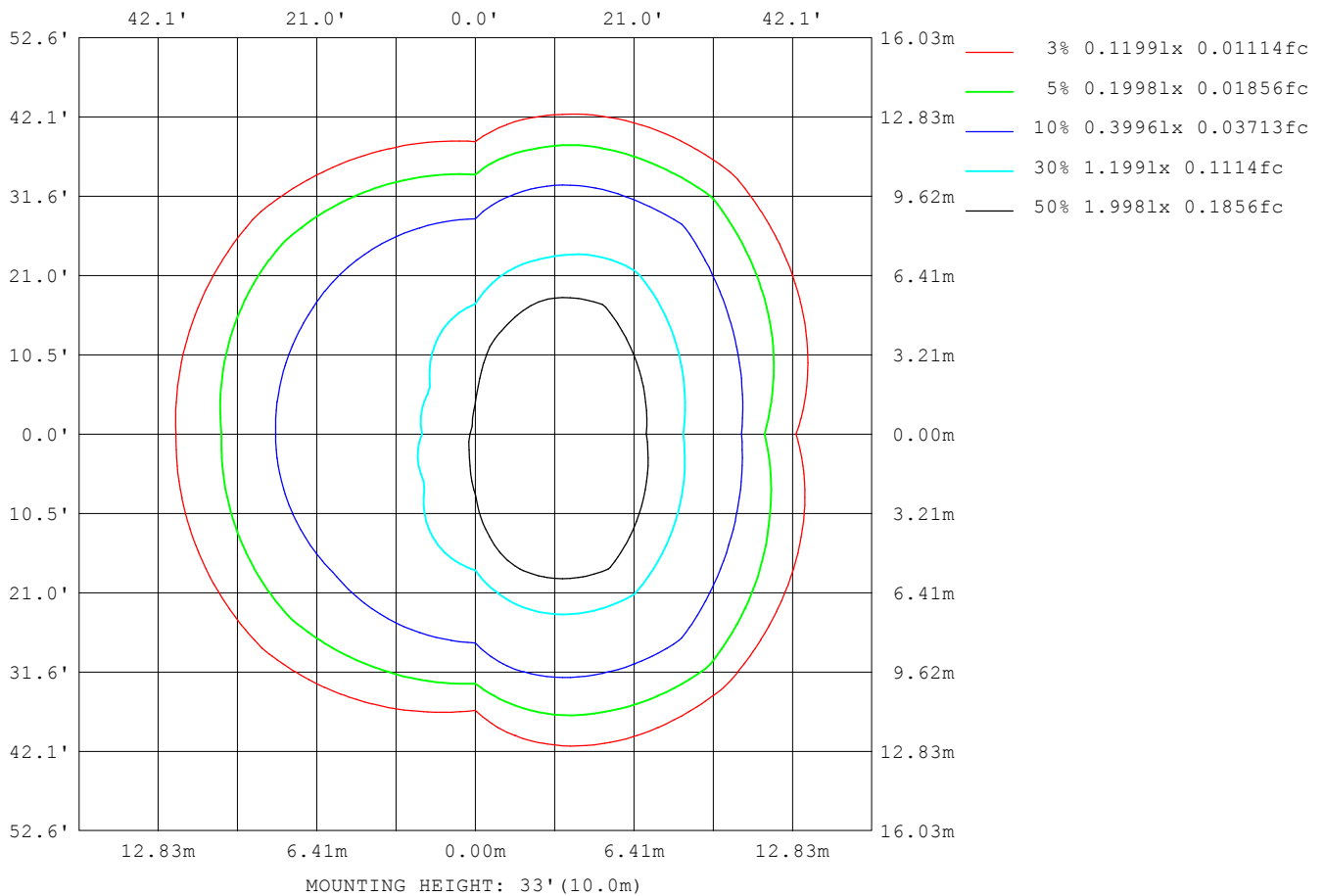
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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.:1FT-偏光透镜	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:2023-12-28

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.:1FT-偏光透镜	DIM.: 280x45mm	SERIAL No.:
MFR.: EVERFINE	SUR.:0.28*0.045	Shielding Angle:

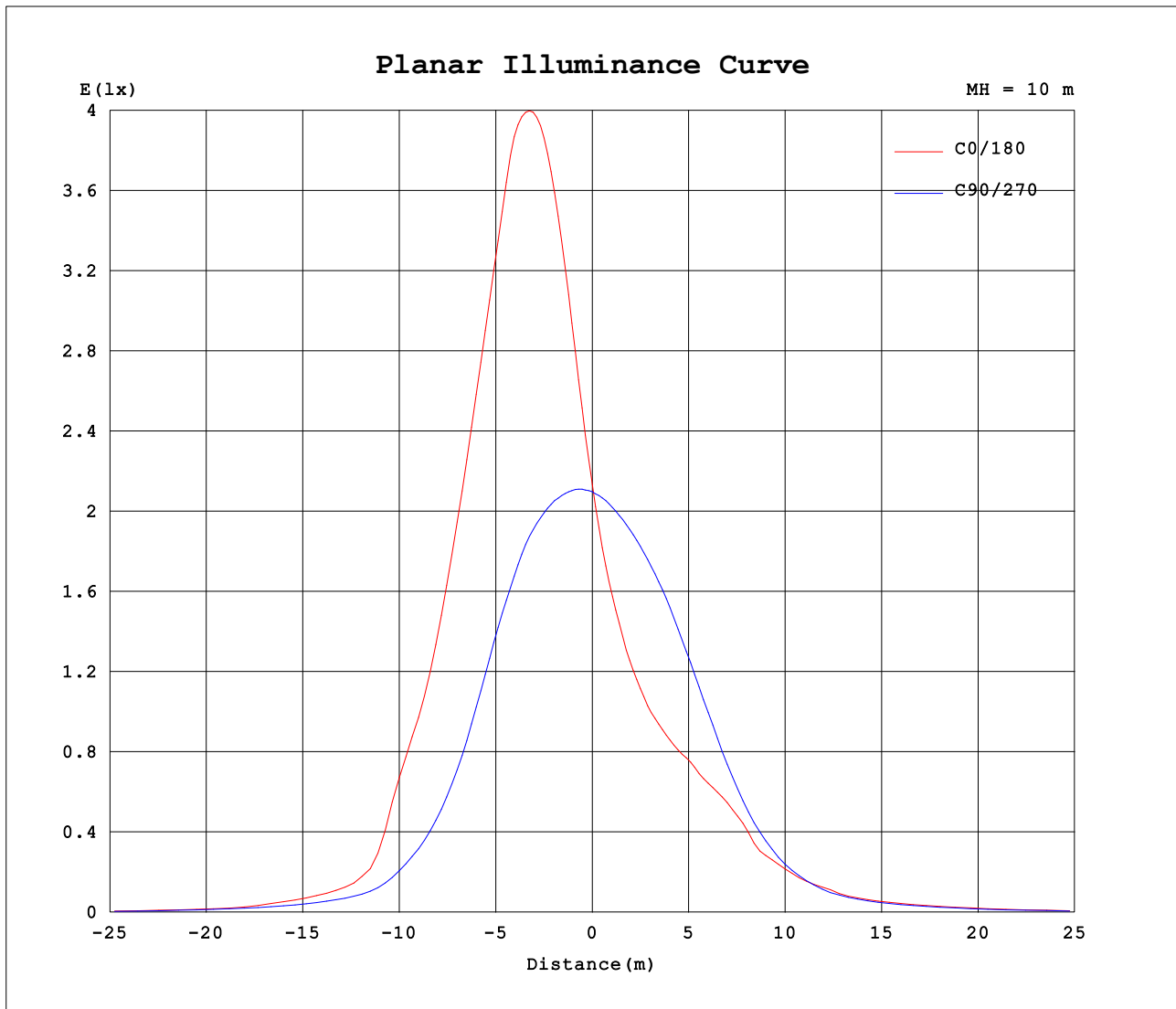
AvgL	cd/m2
L_0~180 (65) av	4390
L_0~180 (75) av	2194
L_0~180 (85) av	595
L_90~270 (65) av	3680
L_90~270 (75) av	2047
L_90~270 (85) av	499
L_45 (65) av	4000
L_45 (75) av	2166
L_45 (85) av	1049

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.:1FT-偏光透镜	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	213	207	210	217	213	207	210	217										
5	283	256	213	183	167	172	206	261										
10	364	316	216	158	137	148	203	313										
15	435	381	218	138	119	130	199	368										
20	478	446	215	124	110	117	194	412										
25	470	497	200	112	106	109	182	414										
30	423	504	170	102	103	104	163	431										
35	354	444	129	93.0	99.6	99.0	135	398										
40	267	352	90.6	80.7	76.9	89.3	99.6	351										
45	190	237	58.9	66.2	61.4	76.8	67.8	251										
50	67.9	139	34.6	50.1	47.6	53.1	43.5	150										
55	44.2	66.4	25.9	34.5	34.0	38.9	30.8	79.4										
60	27.4	24.9	19.8	24.8	27.3	27.5	23.6	27.7										
65	16.6	14.1	13.8	17.8	20.5	19.6	17.3	16.1										
70	9.66	7.92	8.42	11.8	13.1	12.9	11.5	9.87										
75	4.64	3.75	4.25	6.56	6.72	6.83	6.35	5.27										
80	2.00	1.42	1.55	3.33	2.50	2.77	2.79	2.36										
85	0.56	0.33	0.23	1.77	0.47	0.68	0.64	0.88										
90	0.00	0.02	0.00	1.48	0.00	0.00	0.00	0.39										
95	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.35										
100	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.32										
105	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.31										
110	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.32										
115	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.32										
120	0.00	0.00	0.00	0.76	0.02	0.02	0.00	0.33										
125	0.00	0.00	0.02	0.37	0.06	0.06	0.00	0.28										
130	0.01	0.01	0.03	0.19	0.11	0.10	0.02	0.23										
135	0.03	0.02	0.06	0.15	0.16	0.14	0.04	0.17										
140	0.03	0.04	0.08	0.18	0.22	0.17	0.07	0.11										
145	0.05	0.05	0.10	0.20	0.26	0.19	0.09	0.09										
150	0.06	0.07	0.12	0.22	0.29	0.22	0.11	0.11										
155	0.07	0.10	0.14	0.24	0.32	0.24	0.14	0.11										
160	0.10	0.12	0.16	0.26	0.33	0.27	0.16	0.18										
165	0.13	0.15	0.17	0.26	0.33	0.28	0.17	0.22										
170	0.16	0.17	0.19	0.26	0.32	0.27	0.20	0.26										
175	0.21	0.19	0.20	0.24	0.29	0.25	0.20	0.42										
180	0.26	0.21	0.20	0.47	0.26	0.22	0.20	0.52										

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: