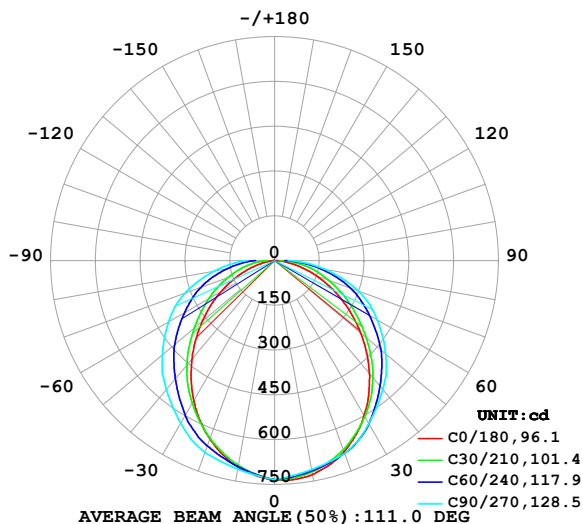


LUMINAIRE PHOTOMETRIC TEST REPORT

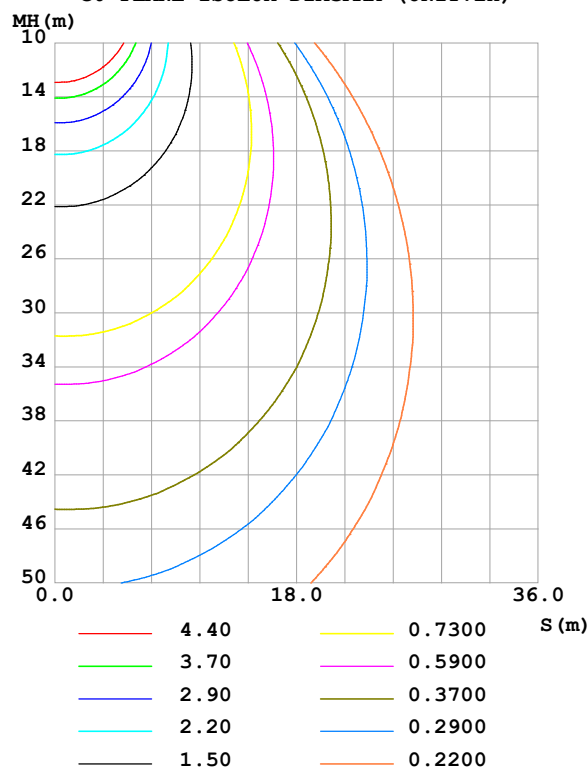
Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLSN-W-2FT		
MFR.: EVERTIE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.96 lm/W			
MODEL		Imax (cd)	736.9	S/MH(C0/180)	1.12
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2126.2	η UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	2126.22	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down (%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	728.2	717.0	710.8	699.5	703.0	698.0	709.2	715.5	0- 10	68.65	68.65	3.23,3.23
20	680.9	679.6	687.5	648.0	635.6	644.9	684.3	677.6	10- 20	194.6	263.2	12.4,12.4
30	599.7	620.9	631.1	580.4	541.9	577.0	629.3	619.4	20- 30	292.4	555.7	26.1,26.1
40	494.9	530.2	563.7	488.2	431.3	485.1	564.4	531.1	30- 40	347.0	902.7	42.5,42.5
50	376.0	431.4	485.6	394.9	316.3	392.5	491.2	435.7	40- 50	357.4	1260	59.3,59.3
60	257.6	331.4	396.7	302.6	206.3	301.2	409.7	338.9	50- 60	327.1	1587	74.6,74.6
70	148.6	236.1	298.5	216.8	106.7	216.2	320.1	244.4	60- 70	267.2	1854	87.2,87.2
80	56.14	132.4	172.0	123.5	27.73	128.8	205.9	152.4	70- 80	183.7	2038	95.9,95.9
90	2.792	25.97	45.62	28.41	3.493	42.70	91.68	65.24	80- 90	88.08	2126	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1082.7 lm

%lum = 50.9%

%lamp = 50.9%

Conical surface Flux(130deg): 1729.7 lm

%lum = 81.4%

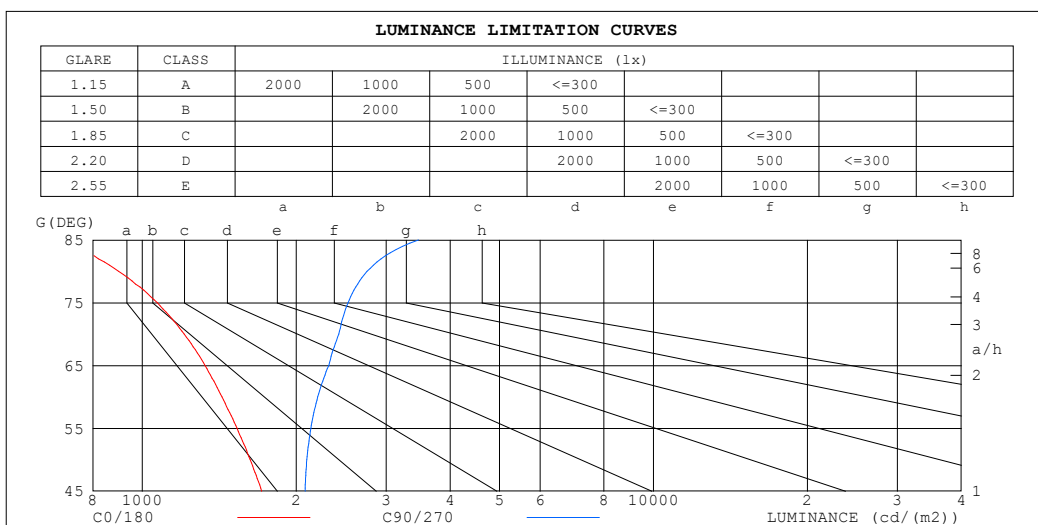
%lamp = 81.4%

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLSN-W-2FT		
MFR.: EVERTIE		



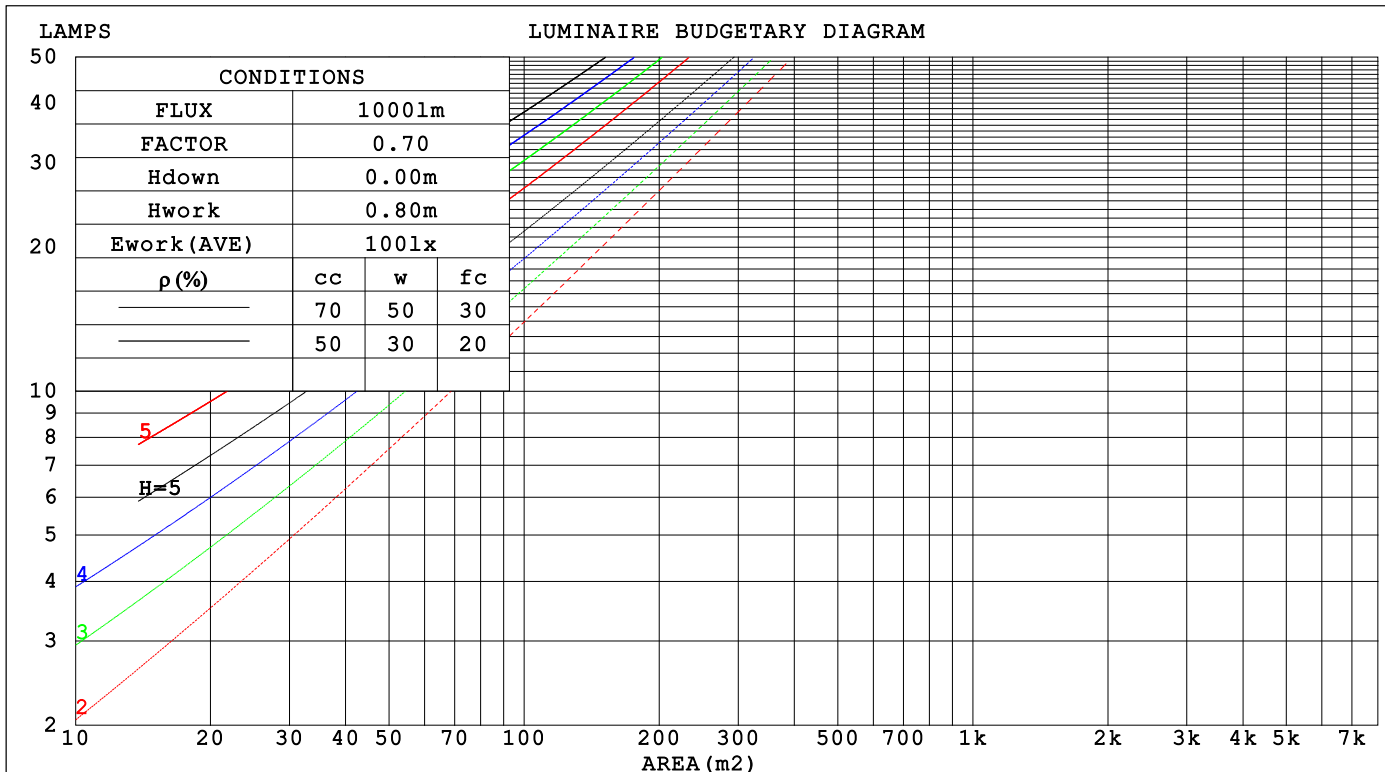
H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLSN-W-2FT		
MFR.: EVERTIE		

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{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	1.02	.97	.93	.00	.96	.92	.96	.92	.89	.92	.89	.86	.88	.86	.83	.81														
2.0	.89	.81	.75	.87	.80	.74	.83	.77	.72	.80	.75	.71	.77	.73	.69	.67														
3.0	.77	.69	.62	.76	.68	.61	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56														
4.0	.68	.59	.52	.67	.59	.52	.65	.57	.51	.62	.56	.50	.60	.54	.50	.48														
5.0	.61	.52	.45	.60	.51	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41														
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.44	.38	.49	.43	.38	.36														
7.0	.50	.41	.35	.49	.41	.34	.47	.40	.34	.46	.39	.34	.45	.38	.34	.32														
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28														
9.0	.42	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25														
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23														



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

WEC AND CCEC

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm											
NAME: ETLN-W-2FT											
MFR.: EVERTIE											

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	.341	.194	.061	.334	.191	.061	.321	.184	.059	.308	.178	.057	.297	.172	.056			
2.0	.310	.170	.052	.304	.167	.052	.292	.162	.050	.281	.158	.049	.271	.153	.048			
3.0	.282	.150	.045	.277	.148	.045	.266	.144	.044	.257	.141	.043	.247	.137	.042			
4.0	.258	.134	.039	.253	.132	.039	.244	.129	.039	.235	.126	.038	.227	.123	.038			
5.0	.237	.121	.035	.232	.119	.035	.224	.117	.034	.216	.114	.034	.209	.112	.034			
6.0	.218	.109	.031	.214	.108	.031	.207	.106	.031	.200	.104	.031	.194	.102	.030			
7.0	.202	.100	.028	.199	.099	.028	.192	.097	.028	.186	.096	.028	.181	.094	.028			
8.0	.189	.092	.026	.185	.091	.026	.180	.090	.026	.174	.088	.025	.169	.087	.025			
9.0	.176	.085	.024	.174	.085	.024	.168	.083	.024	.163	.082	.023	.159	.081	.023			
10.0	.165	.079	.022	.163	.079	.022	.158	.078	.022	.154	.076	.022	.150	.075	.022			

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.182	.156	.132	.156	.134	.113	.107	.092	.078	.061	.053	.046	.020	.017	.015	
2.0	.175	.132	.096	.150	.113	.083	.103	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.167	.114	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009	
4.0	.159	.101	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.028	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.038	.124	.071	.033	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.078	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm										
NAME: ETLSN-W-2FT										
MFR.: EVERTIE										
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	9.6	11.1	9.8	11.3	11.5	11.5	13.1	11.8	13.3	13.5
3H	10.8	12.2	11.1	12.5	12.7	13.7	15.1	14.0	15.3	15.6
4H	11.2	12.6	11.6	12.9	13.1	14.6	16.0	15.0	16.3	16.5
6H	11.5	12.8	11.9	13.1	13.4	15.5	16.8	15.9	17.1	17.4
8H	11.6	12.8	11.9	13.1	13.4	15.9	17.2	16.3	17.5	17.8
12H	11.6	12.8	12.0	13.1	13.4	16.3	17.5	16.7	17.8	18.1
4H 2H	10.5	11.9	10.9	12.2	12.4	12.0	13.4	12.3	13.6	13.9
3H	12.0	13.2	12.4	13.5	13.8	14.4	15.6	14.8	15.9	16.2
4H	12.6	13.7	13.0	14.0	14.4	15.6	16.7	16.0	17.0	17.4
6H	13.0	14.0	13.4	14.4	14.7	16.7	17.7	17.1	18.0	18.4
8H	13.1	14.1	13.5	14.4	14.8	17.1	18.1	17.6	18.5	18.8
12H	13.2	14.0	13.6	14.4	14.8	17.6	18.5	18.0	18.9	19.3
8H 4H	13.3	14.3	13.8	14.7	15.0	15.8	16.8	16.2	17.1	17.5
6H	14.0	14.8	14.5	15.2	15.6	17.1	17.9	17.6	18.3	18.8
8H	14.3	15.0	14.7	15.4	15.8	17.8	18.5	18.2	18.9	19.4
12H	14.4	15.0	14.9	15.5	15.9	18.4	19.0	18.9	19.5	20.0
12H 4H	13.5	14.4	13.9	14.8	15.2	15.8	16.7	16.3	17.1	17.5
6H	14.3	15.0	14.8	15.4	15.9	17.2	17.9	17.7	18.3	18.8
8H	14.6	15.3	15.1	15.7	16.2	17.9	18.5	18.4	19.0	19.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117, 2126 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.6)
Area: 0.36 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		

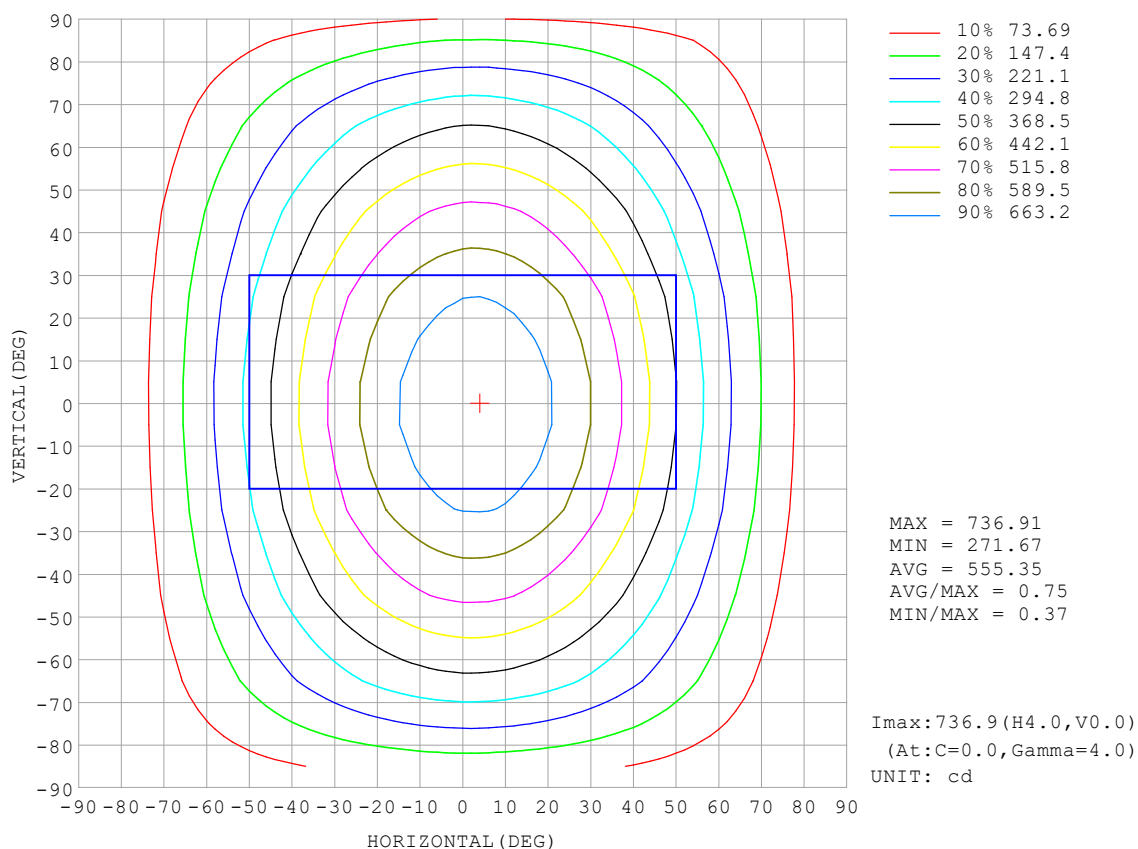
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	44	38	55	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	55	73	62	55	71	64	55	47
1.25	81	70	63	80	70	63	77	68	62	54
1.50	86	76	69	85	75	68	82	73	67	59
2.00	93	84	77	91	83	76	88	81	75	67
2.50	97	89	82	95	88	82	91	85	80	71
3.00	101	93	87	98	92	86	94	89	84	75
4.00	105	99	94	102	97	92	98	93	90	80
5.00	107	102	98	105	100	96	100	96	93	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:QUYEN
 Test Date:2026-01-21

$V(\beta)$ Range:-90 - 90DEG
 $V(\beta)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
 Humidity:65.0%
 Test Distance:6.100m [K=1.0820]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		

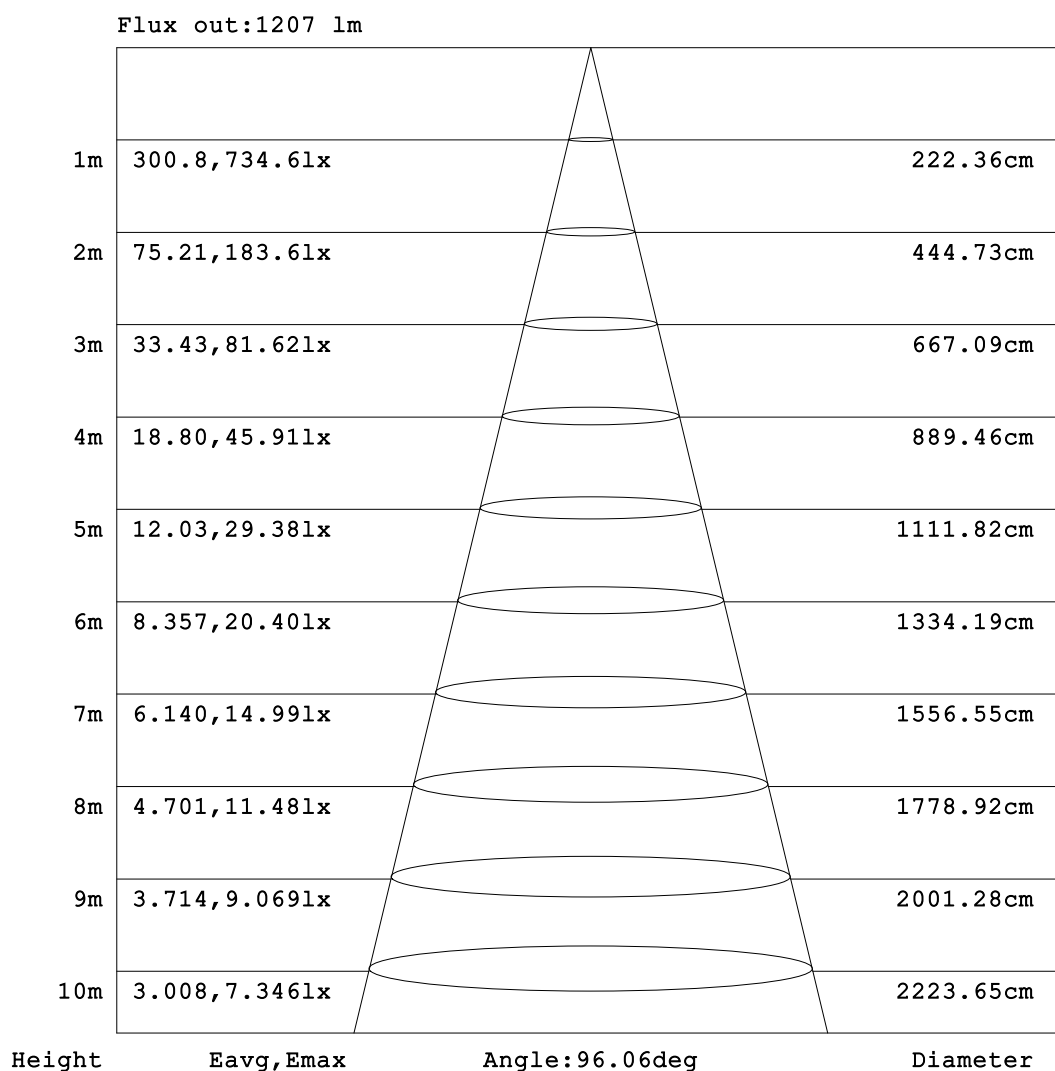


H(β) Range: -90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: QUYEN
Test Date: 2026-01-21

V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity: 65.0%
Test Distance: 6.100m [K=1.0820]
Remarks:

AAI Figure

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		



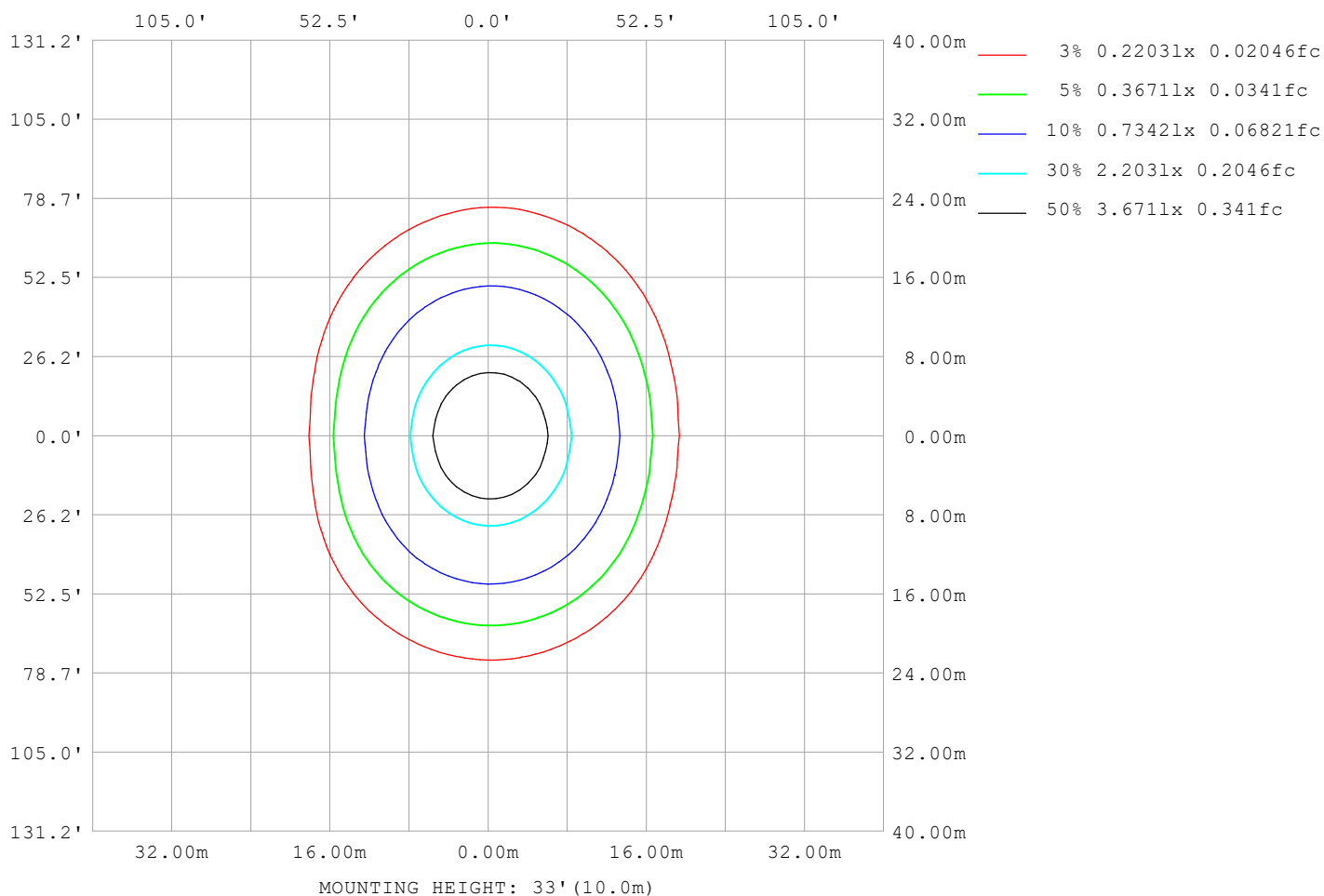
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:QUYEN
 Test Date:2026-01-21

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
 Humidity:65.0%
 Test Distance:6.100m [K=1.0820]
 Remarks:

ISOLUX DIAGRAM

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

LED Avg.L Report

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLSN-W-2FT		
MFR.: EVERTIE		

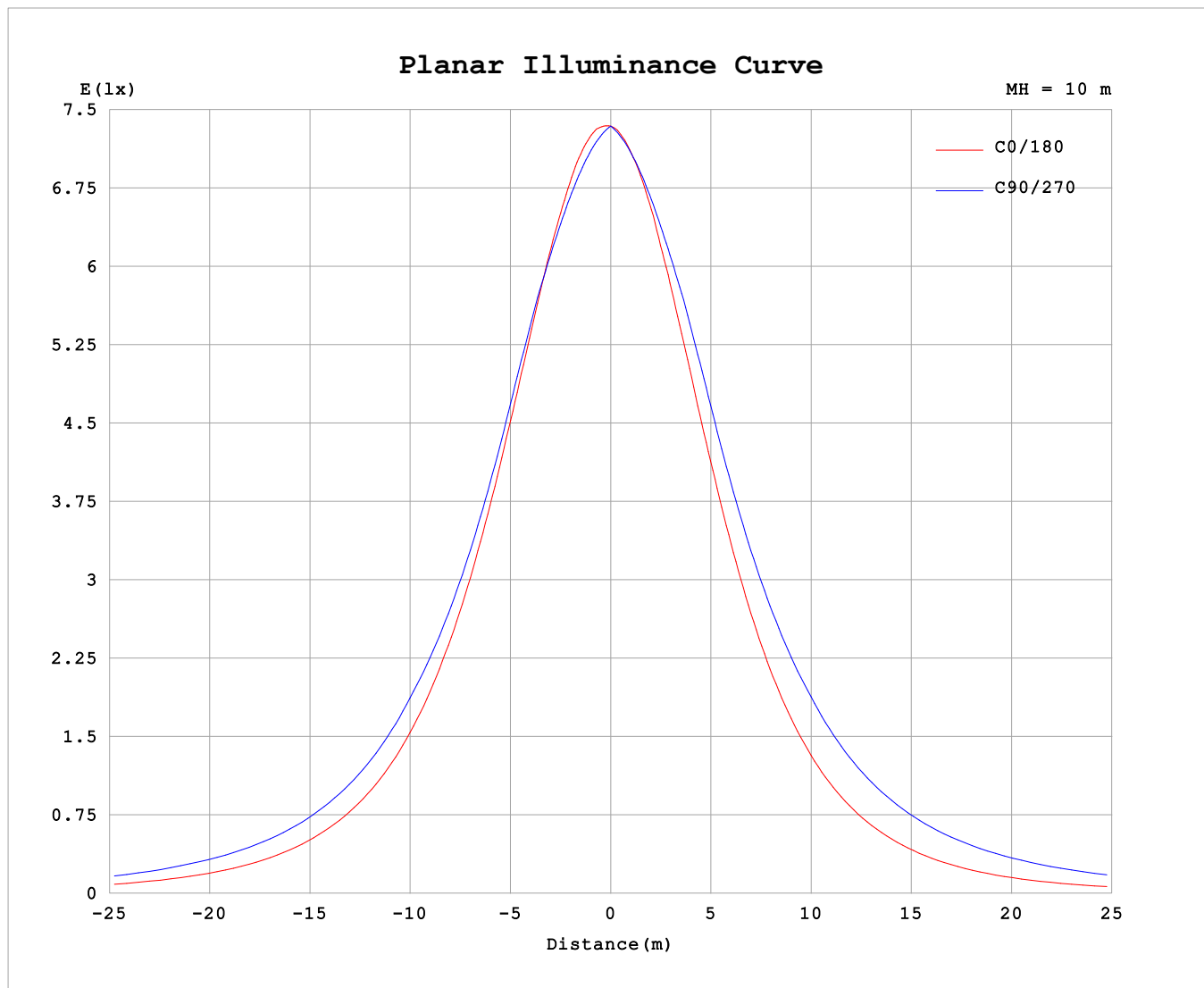
AvgL	cd/m2
L_0~180 (65) av	1172
L_0~180 (75) av	875
L_0~180 (85) av	448
L_90~270 (65) av	2371
L_90~270 (75) av	2674
L_90~270 (85) av	4105
L_45 (65) av	1788
L_45 (75) av	1971
L_45 (85) av	2762

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:QUYEN
Test Date:2026-01-21

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

MFR. : EVERTIE

UNIT: cd

Remarks:

Test:U:121.32V I:0.1037A P:12.510W PF:0.9944 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2126.22x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		

UNIT: cd

[illegible]

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks: