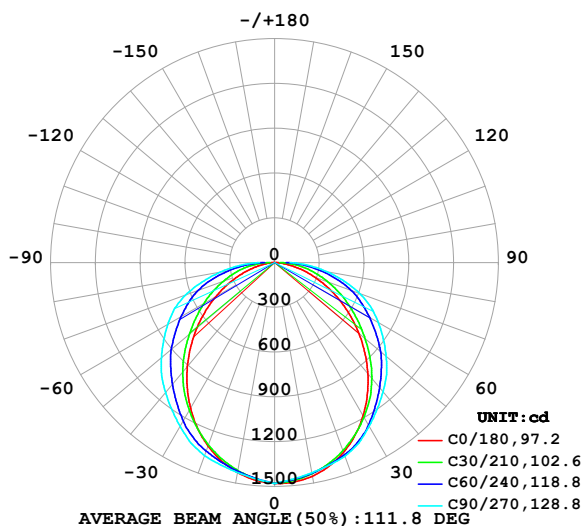


LUMINAIRE PHOTOMETRIC TEST REPORT

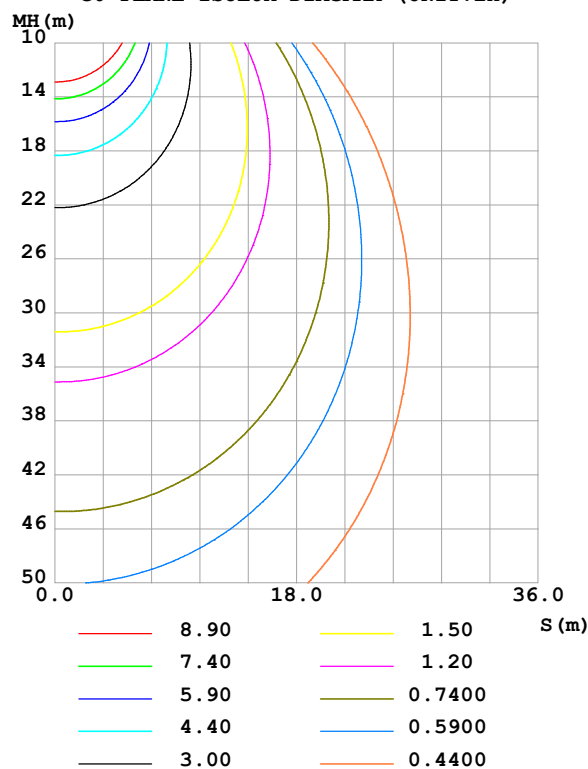
Test:U:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.68 lm/W			
MODEL		Imax (cd)	1480	S/MH(C0/180)	1.15
NOMINAL POWER(W)	26	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4287.0	η UP,DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	4286.98	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.3
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 °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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1454	1434	1430	1417	1429	1415	1428	1433	0- 10	138.3	138.3	3.22,3.22
20	1353	1354	1381	1321	1307	1319	1377	1351	10- 20	392.1	530.3	12.4,12.4
30	1185	1234	1267	1189	1127	1188	1267	1232	20- 30	590.0	1120	26.1,26.1
40	972.6	1052	1130	1003	910.3	1008	1137	1056	30- 40	701.3	1822	42.5,42.5
50	736.8	857.6	975.4	809.9	679.2	821.7	989.7	866.7	40- 50	723.6	2545	59.4,59.4
60	502.8	660.2	801.8	618.4	454.8	636.2	825.8	675.0	50- 60	664.3	3209	74.9,74.9
70	286.5	470.4	608.5	436.9	249.9	459.7	636.0	490.7	60- 70	544.4	3754	87.6,87.6
80	102.5	266.1	355.7	249.0	80.49	258.7	368.6	283.6	70- 80	370.1	4124	96.2,96.2
90	5.816	58.42	102.9	62.76	7.039	48.34	101.1	69.07	80- 90	163.0	4287	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): 2185.9 lm

%lum = 51.0%

%lamp = 51.0%

Conical surface Flux(130deg): 3499.7 lm

%lum = 81.6%

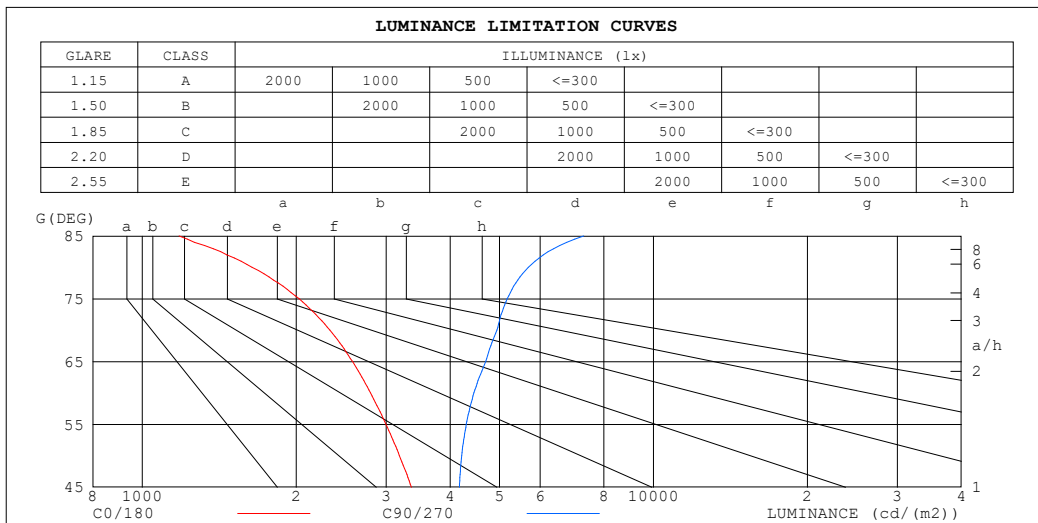
%lamp = 81.6%

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:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1179	7307
80	1639	5689
75	2027	5174
70	2327	4942
65	2577	4700
60	2793	4455
55	2997	4304
50	3184	4215
45	3362	4173

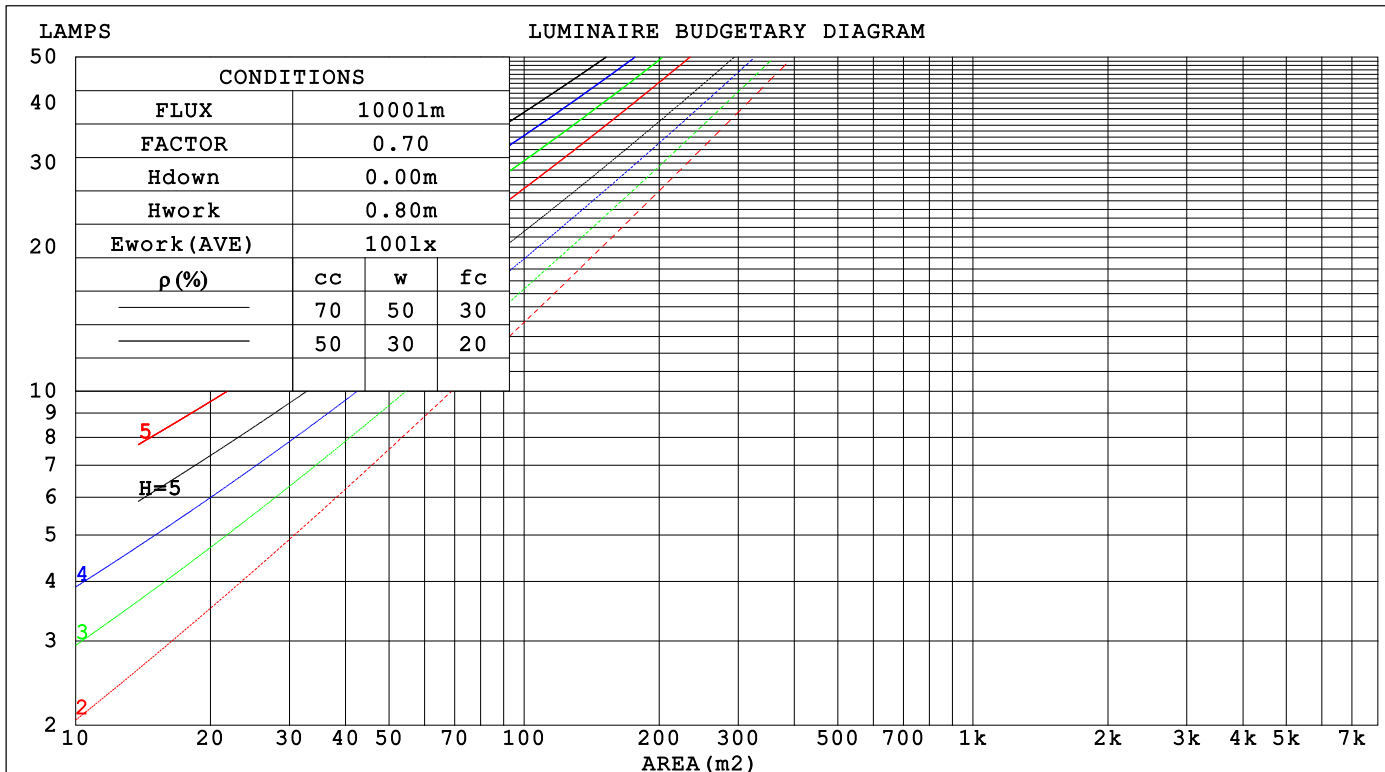
H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:QUYEN
Test Date:2026-01-21

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:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 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	1.00														
1.0	1.02	.98	.93	1.00	.96	.92	.96	.92	.89	.92	.89	.86	.88	.86	.84	.81														
2.0	.89	.81	.75	.87	.80	.74	.83	.77	.73	.80	.75	.71	.77	.73	.69	.67														
3.0	.78	.69	.62	.76	.68	.62	.73	.66	.60	.70	.64	.59	.67	.63	.58	.56														
4.0	.69	.59	.52	.67	.59	.52	.65	.57	.51	.62	.56	.51	.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	.51	.44	.38	.49	.43	.38	.36														
7.0	.50	.41	.35	.49	.41	.35	.48	.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:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 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	.338	.192	.061	.331	.189	.060	.318	.182	.058	.305	.176	.057	.294	.170	.055		
2.0	.309	.169	.052	.303	.167	.051	.291	.162	.050	.280	.157	.049	.270	.153	.048		
3.0	.282	.150	.045	.276	.148	.044	.265	.144	.044	.256	.140	.043	.247	.137	.042		
4.0	.257	.134	.039	.252	.132	.039	.243	.129	.039	.235	.126	.038	.226	.123	.037		
5.0	.236	.120	.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	.095	.028	.180	.094	.028		
8.0	.188	.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	.114	.107	.092	.079	.061	.053	.046	.020	.017	.015		
2.0	.175	.132	.096	.149	.113	.083	.102	.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	.034	.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	.077	.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:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 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	9.4	11.0	9.7	11.2	11.4	11.5	13.0	11.7	13.2	13.4
3H	10.6	12.1	10.9	12.3	12.5	13.7	15.1	14.0	15.3	15.6
4H	11.0	12.4	11.4	12.7	12.9	14.7	16.1	15.0	16.3	16.6
6H	11.3	12.6	11.6	12.9	13.2	15.6	16.9	15.9	17.2	17.5
8H	11.4	12.6	11.7	12.9	13.2	16.0	17.3	16.4	17.6	17.9
12H	11.4	12.6	11.7	12.9	13.2	16.4	17.6	16.8	17.9	18.2
4H 2H	10.4	11.8	10.7	12.0	12.3	12.0	13.3	12.3	13.6	13.9
3H	11.9	13.1	12.2	13.4	13.7	14.4	15.6	14.8	15.9	16.2
4H	12.4	13.6	12.8	13.9	14.2	15.6	16.7	16.0	17.0	17.4
6H	12.8	13.8	13.2	14.2	14.6	16.7	17.7	17.1	18.1	18.4
8H	12.9	13.9	13.3	14.2	14.6	17.2	18.2	17.6	18.5	18.9
12H	13.0	13.8	13.4	14.2	14.6	17.7	18.6	18.2	19.0	19.4
8H 4H	13.2	14.1	13.6	14.5	14.9	15.9	16.8	16.3	17.2	17.5
6H	13.9	14.7	14.3	15.1	15.5	17.2	18.0	17.6	18.4	18.8
8H	14.1	14.8	14.6	15.2	15.7	17.9	18.6	18.3	19.0	19.4
12H	14.2	14.8	14.7	15.3	15.8	18.5	19.1	19.0	19.6	20.1
12H 4H	13.4	14.2	13.8	14.6	15.0	15.9	16.7	16.3	17.1	17.5
6H	14.2	14.9	14.6	15.3	15.7	17.3	18.0	17.7	18.4	18.8
8H	14.5	15.1	15.0	15.6	16.0	18.0	18.6	18.5	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, 4287 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)
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:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		

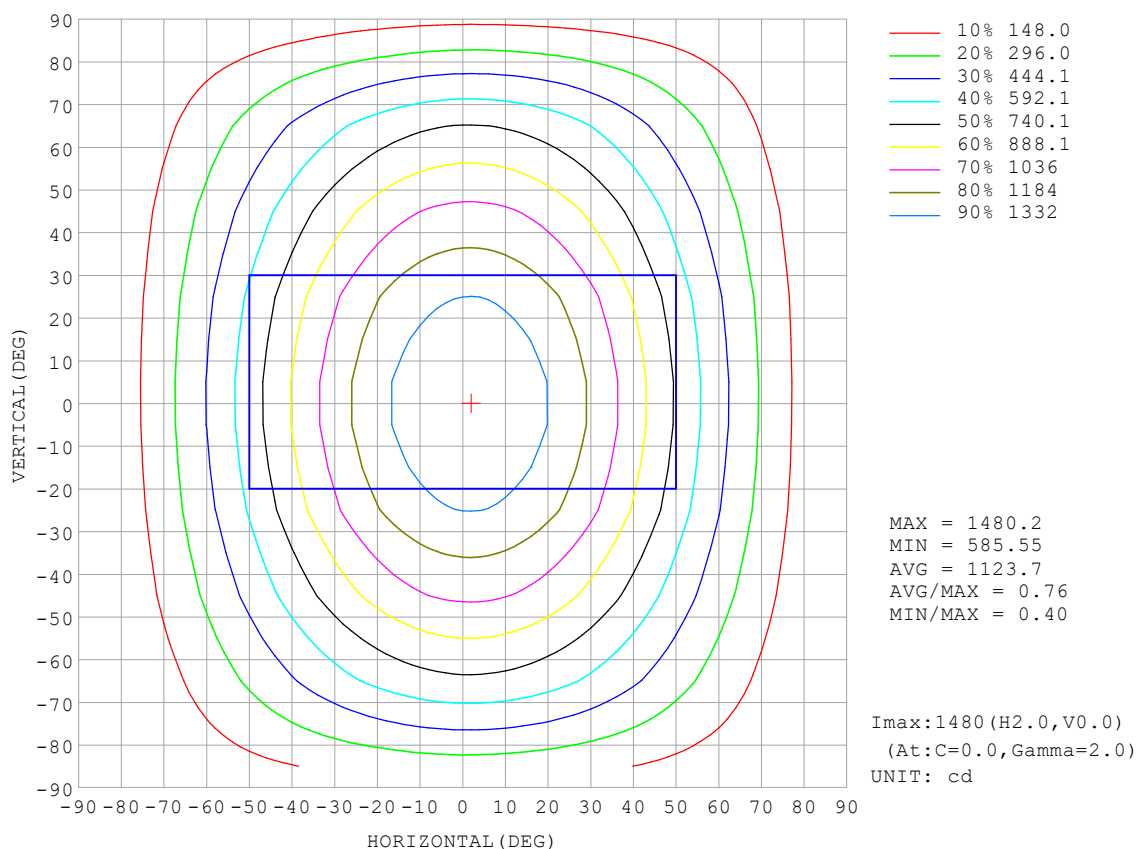
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	44	38	55	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	55	73	62	55	71	64	55	47
1.25	81	71	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	77	88	81	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	93	88	99	92	86	94	89	84	75
4.00	105	99	94	103	97	92	98	94	90	81
5.00	108	102	98	105	100	96	100	97	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

$V(B)$ 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:

ISOCANDELA DIAGRAM

Test:U:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		



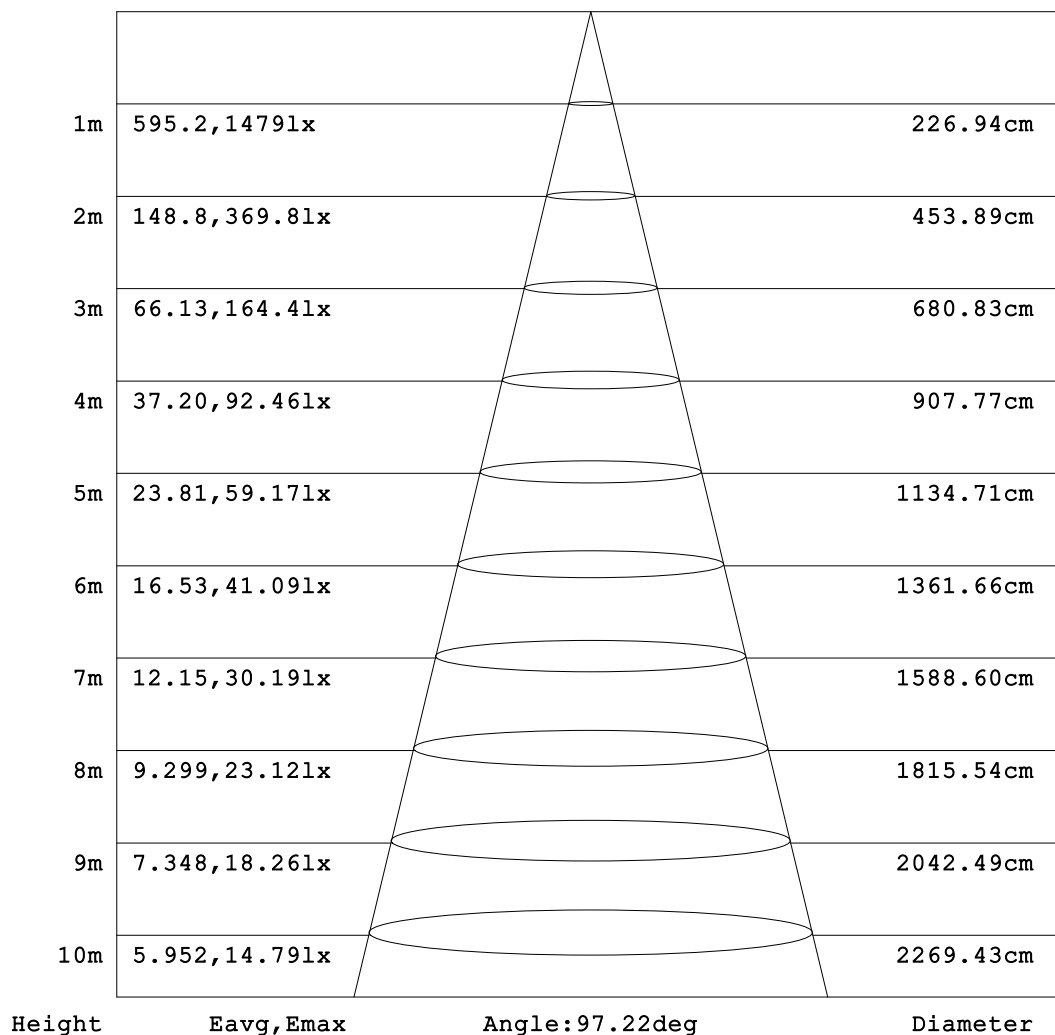
H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:QUYEN
Test Date:2026-01-21

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:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 lm		
NAME: ETLN-W-2FT		
MFR.: EVERTIE		

Flux out:2474 lm



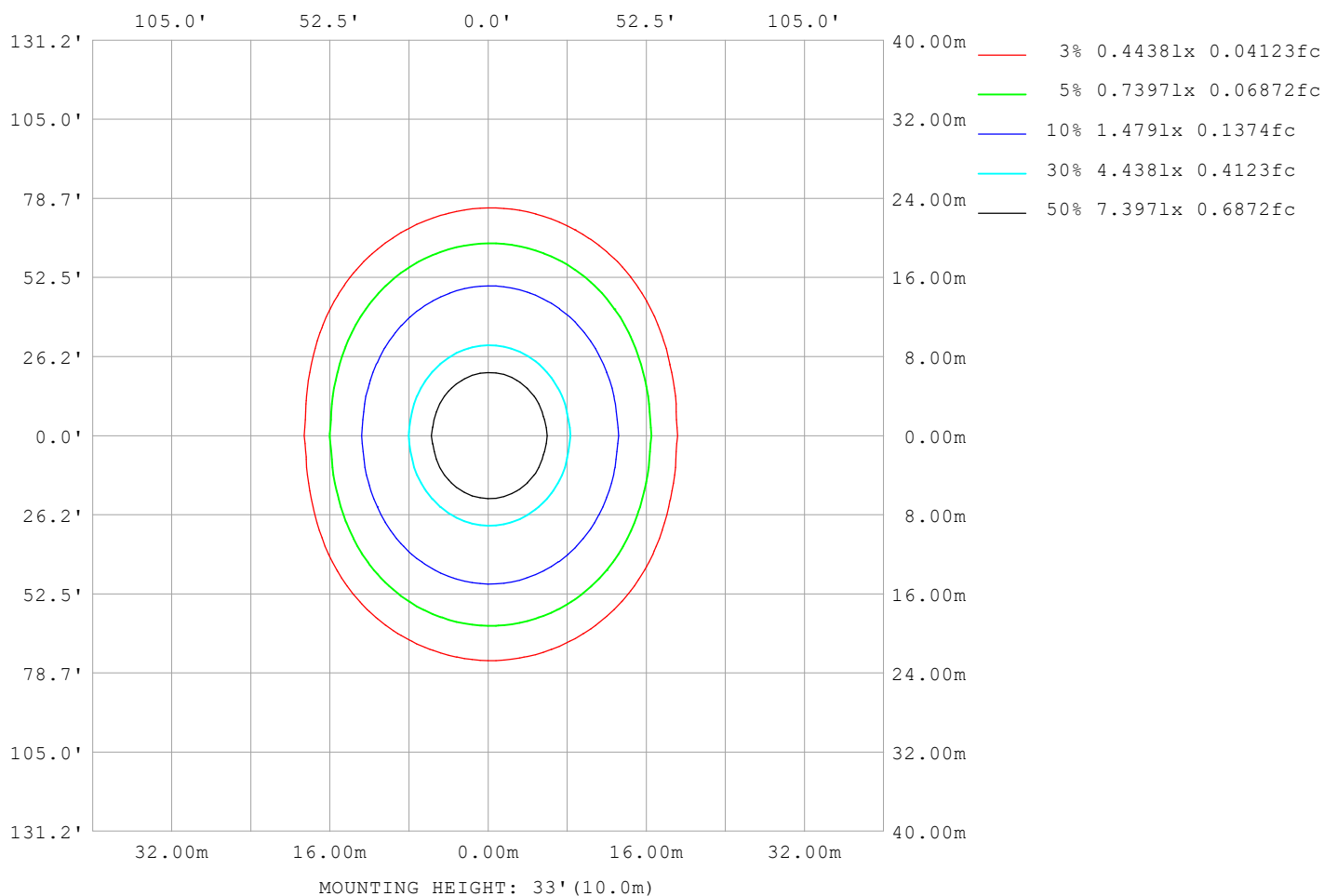
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °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:

ISOLUX DIAGRAM

Test:U:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 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:121.27V I:0.2245A P:27.189W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4286.98x1 lm		
NAME: ETLSN-W-2FT		
MFR.: EVERTIE		

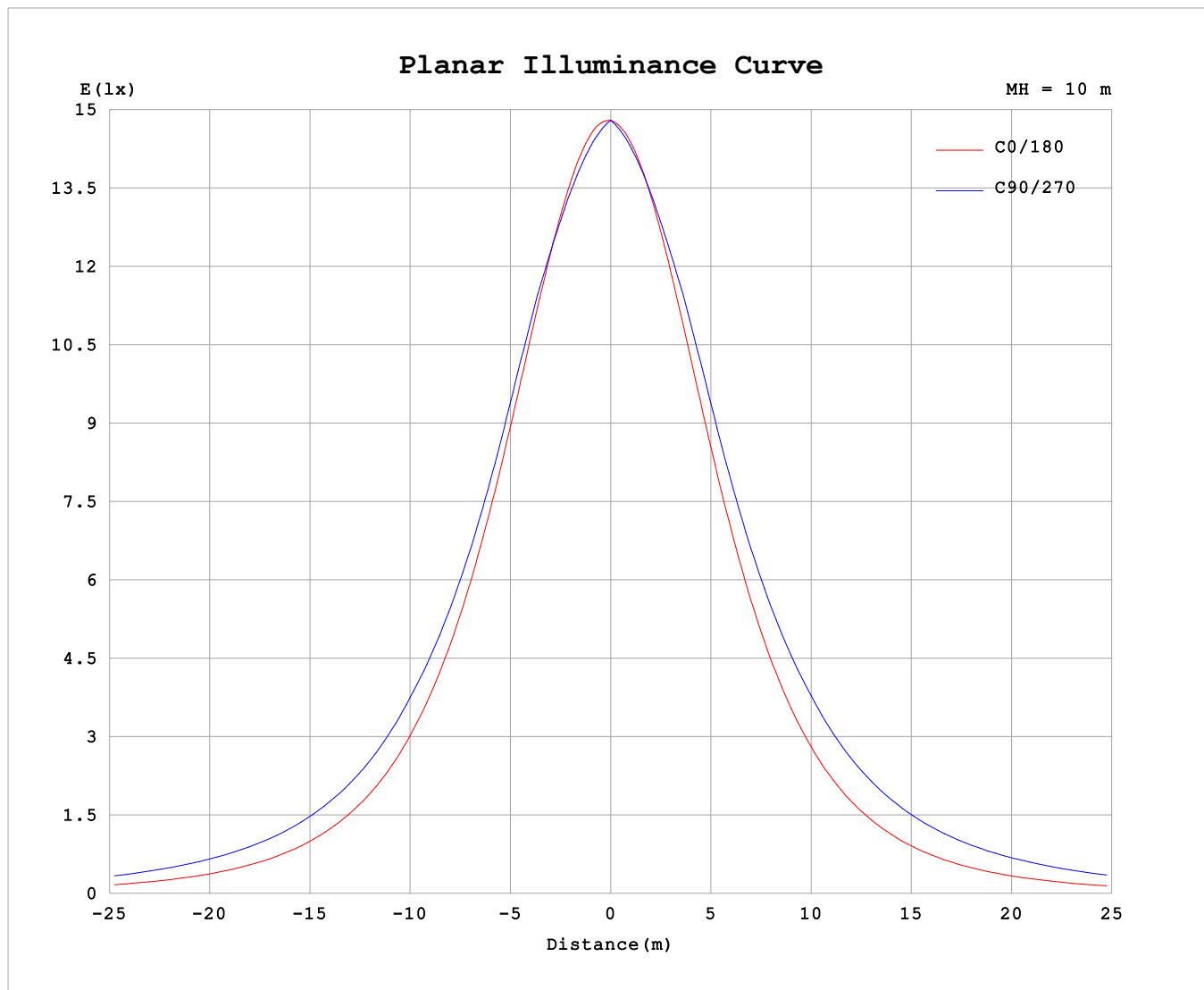
AvgL	cd/m2
L_0~180 (65) av	2437
L_0~180 (75) av	1866
L_0~180 (85) av	979
L_90~270 (65) av	4794
L_90~270 (75) av	5282
L_90~270 (85) av	7396
L_45 (65) av	3635
L_45 (75) av	3985
L_45 (85) av	5117

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:

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:

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: