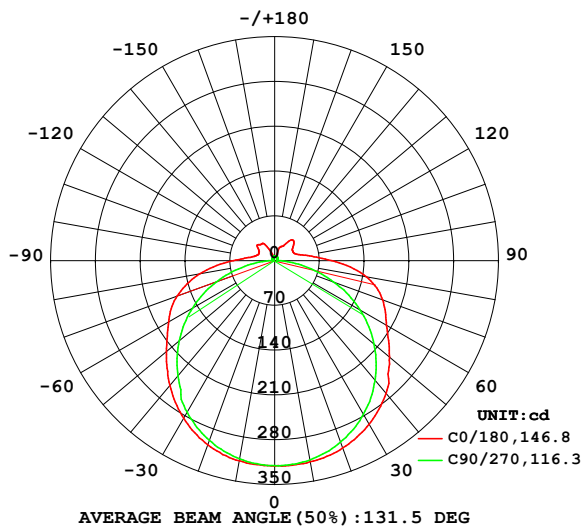


LUMINAIRE PHOTOMETRIC TEST REPORT

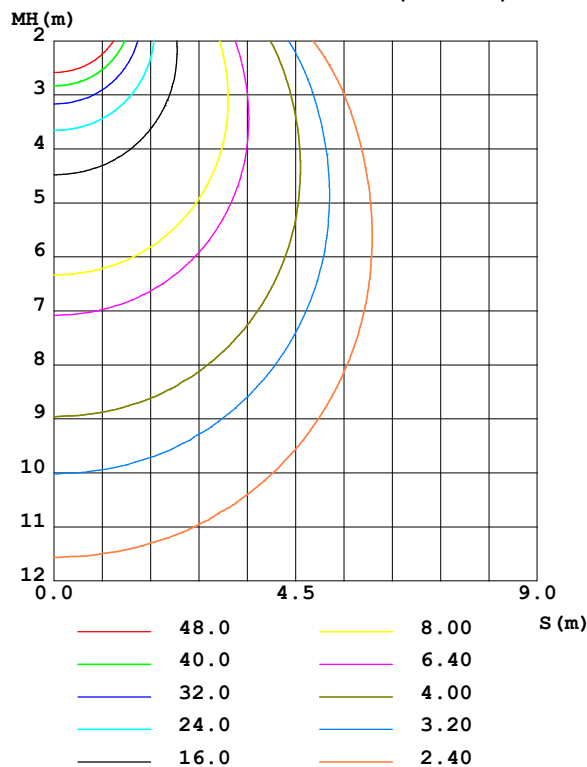
Test:U:100.30V I:0.1630A P:14.400W PF:0.8810 Freq:50.00Hz Lamp Flux:1242.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Everfine	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.30 lm/W
MODEL	线条灯3000K	I _{max} (cd)	321.3	S/MH(C0/180)	1.37	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	1242.8	η UP,DN(C0-180)	4.6,43.6	
NOMINAL FLUX(lm)	1242.76	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	5.6,46.2	
LAMPS INSIDE	1	η up (%)	10.3	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	100	η down (%)	89.7	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:26 November 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:8.186m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	317.8	314.7	319.3	316.5					0- 10	30.45	30.45	2.45,2.45
20	306.1	299.0	311.4	301.6					10- 20	88.17	118.6	9.54,9.54
30	284.6	273.6	295.5	277.6					20- 30	136.0	254.6	20.5,20.5
40	255.1	235.3	271.0	244.5					30- 40	167.8	422.4	34,34
50	220.9	194.8	234.8	202.8					40- 50	179.7	602.1	48.4,48.4
60	191.5	148.3	202.1	154.6					50- 60	173.3	775.4	62.4,62.4
70	162.6	96.50	179.6	98.35					60- 70	153.4	928.8	74.7,74.7
80	119.3	42.77	145.5	43.08					70- 80	117.7	1046	84.2,84.2
90	64.99	3.960	89.84	5.642					80- 90	68.80	1115	89.7,89.7
100	35.73	3.310	49.40	4.009					90-100	33.39	1149	92.4,92.4
110	28.01	3.864	33.41	4.537					100-110	20.73	1169	94.1,94.1
120	28.27	4.419	32.36	5.097					110-120	17.12	1186	95.5,95.5
130	35.97	5.026	38.96	5.633					120-130	17.11	1204	96.8,96.8
140	33.83	5.673	42.68	6.118					130-140	17.15	1221	98.2,98.2
150	27.52	6.276	26.40	6.509					140-150	12.56	1233	99.2,99.2
160	11.00	6.866	21.55	6.897					150-160	6.528	1240	99.8,99.8
170	7.337	7.328	7.244	7.178					160-170	2.240	1242	99.9,99.9
180	7.429	7.513	7.407	7.491					170-180	0.6991	1243	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 512.06 lm

%lum = 41.2%

%lamp = 41.2%

Conical surface Flux(120deg): 775.41 lm

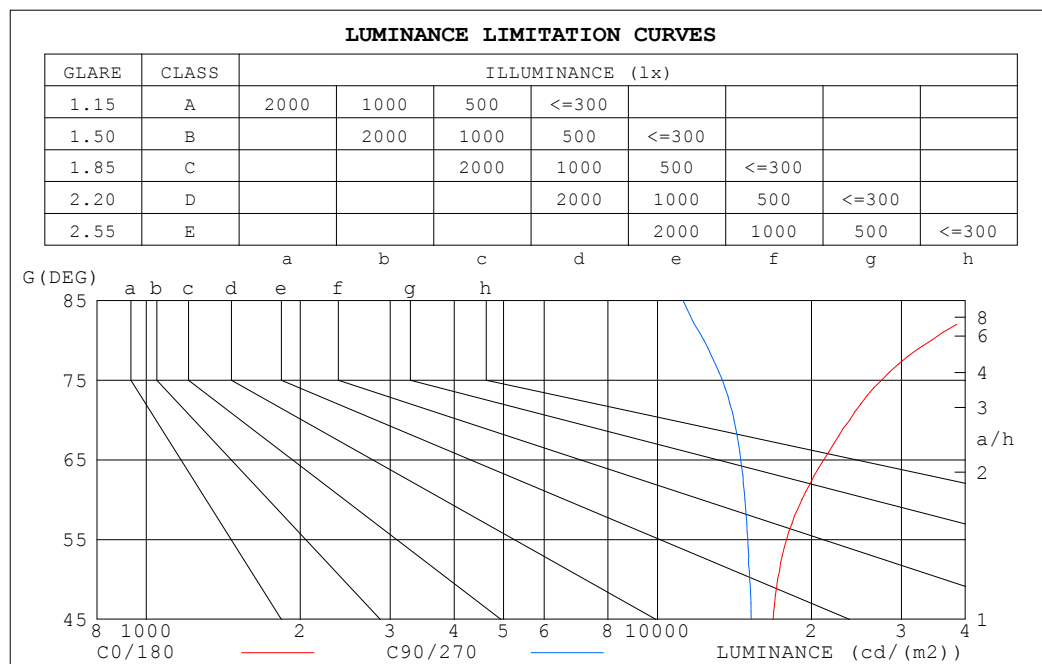
%lum = 62.4%

%lamp = 62.4%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:26 November 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:8.186m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



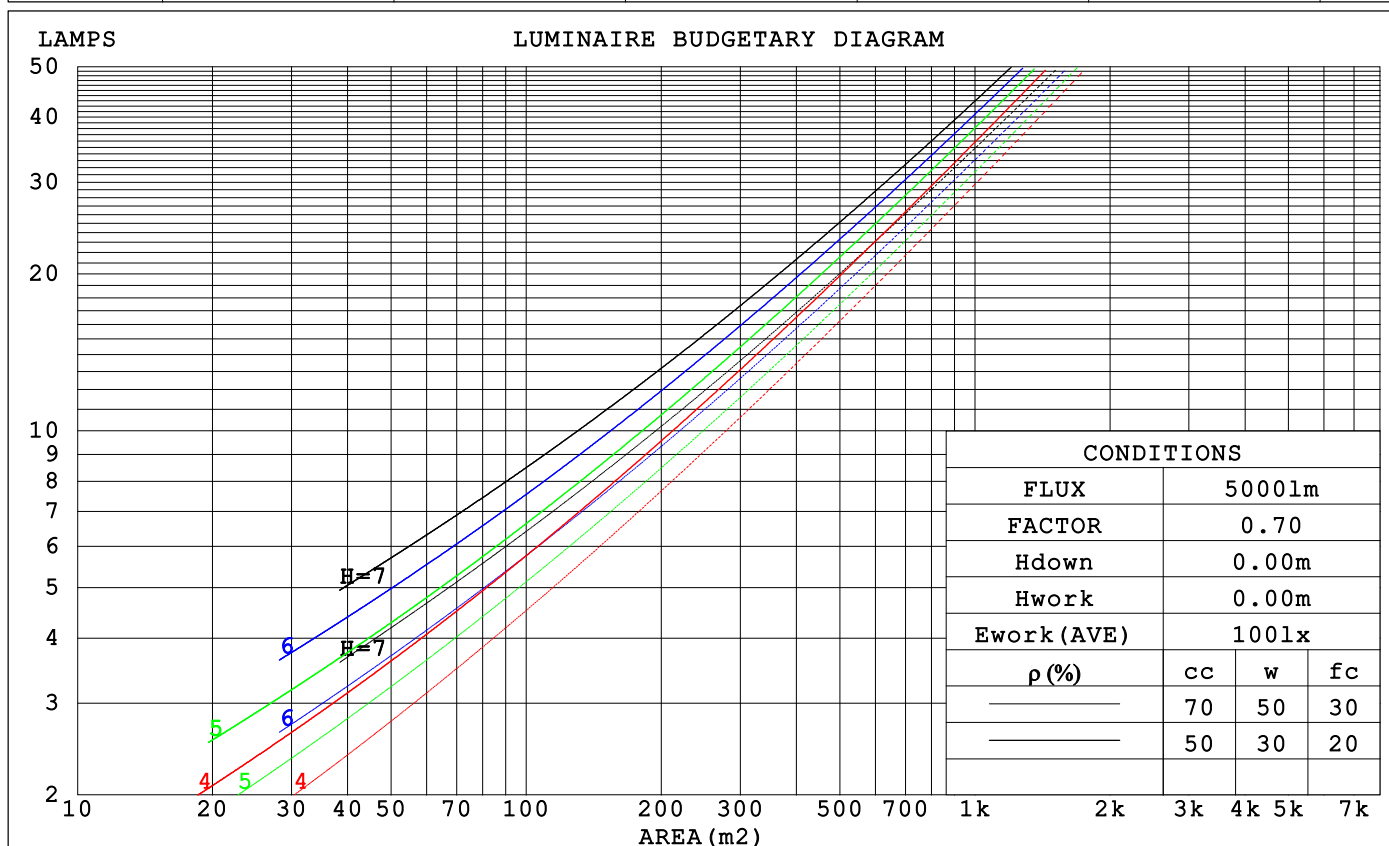
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	52333	11222
80	34351	12316
75	27427	13403
70	23770	14108
65	21129	14545
60	19151	14825
55	17876	15014
50	17182	15152
45	16824	15264

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 26 November 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 8.186m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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			Coefficients of Utilization(CU)												
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.05	1.05	1.05	.99	.99	.99	.93	.93	.93	.90
1.0	.99	.93	.89	.95	.91	.86	.89	.85	.82	.83	.80	.78	.78	.76	.73	.71
2.0	.85	.77	.71	.82	.75	.69	.76	.71	.66	.72	.67	.63	.67	.63	.60	.57
3.0	.74	.65	.58	.71	.63	.56	.67	.60	.54	.62	.57	.52	.59	.54	.50	.47
4.0	.65	.55	.48	.63	.54	.47	.59	.51	.45	.55	.49	.44	.52	.47	.42	.39
5.0	.57	.48	.41	.56	.47	.40	.52	.45	.39	.49	.43	.38	.46	.41	.36	.34
6.0	.52	.42	.36	.50	.41	.35	.47	.40	.34	.44	.38	.33	.42	.36	.32	.29
7.0	.47	.37	.31	.45	.37	.31	.43	.35	.30	.40	.34	.29	.38	.32	.28	.26
8.0	.42	.34	.28	.41	.33	.27	.39	.32	.26	.37	.30	.26	.35	.29	.25	.23
9.0	.39	.30	.25	.38	.30	.24	.36	.29	.24	.34	.28	.23	.32	.27	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.21	.30	.24	.20	.18



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:26 November 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:8.186m [K=1.0000]
 Remarks:

WEC AND CCEC

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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.365	.207	.066	.354	.202	.064	.335	.192	.061	.317	.183	.059	.301	.174	.056	
2.0	.324	.178	.054	.315	.173	.053	.297	.165	.051	.281	.158	.049	.266	.151	.048	
3.0	.291	.155	.046	.283	.152	.046	.267	.145	.044	.253	.139	.042	.239	.133	.041	
4.0	.264	.137	.040	.256	.134	.040	.242	.129	.038	.229	.123	.037	.217	.118	.036	
5.0	.241	.123	.036	.234	.120	.035	.221	.115	.034	.210	.111	.033	.199	.106	.032	
6.0	.221	.111	.032	.215	.109	.031	.204	.104	.030	.193	.100	.029	.183	.096	.029	
7.0	.205	.101	.029	.199	.099	.028	.189	.095	.027	.179	.092	.027	.170	.088	.026	
8.0	.190	.093	.026	.185	.091	.026	.176	.088	.025	.167	.084	.024	.158	.081	.024	
9.0	.177	.086	.024	.173	.084	.024	.164	.081	.023	.156	.078	.022	.148	.075	.022	
10.0	.166	.080	.022	.162	.078	.022	.154	.075	.021	.146	.073	.021	.139	.070	.020	

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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.269	.269	.269	.230	.230	.230	.157	.157	.157	.090	.090	.090	.029	.029	.029	
1.0	.263	.234	.209	.225	.201	.180	.154	.138	.124	.089	.080	.072	.028	.026	.023	
2.0	.256	.211	.173	.219	.182	.150	.150	.126	.105	.087	.073	.061	.028	.024	.020	
3.0	.248	.194	.151	.213	.168	.131	.146	.116	.092	.084	.068	.054	.027	.022	.018	
4.0	.241	.181	.136	.206	.157	.118	.142	.109	.083	.082	.064	.049	.026	.021	.016	
5.0	.233	.171	.126	.200	.148	.110	.138	.104	.077	.080	.061	.046	.026	.020	.015	
6.0	.226	.163	.119	.194	.141	.103	.134	.099	.073	.078	.058	.043	.025	.019	.014	
7.0	.218	.157	.113	.188	.136	.099	.130	.095	.070	.075	.056	.042	.024	.018	.014	
8.0	.212	.151	.109	.182	.131	.095	.126	.092	.068	.073	.054	.040	.024	.018	.013	
9.0	.205	.146	.106	.177	.127	.092	.123	.089	.066	.071	.053	.039	.023	.017	.013	
10.0	.200	.142	.103	.172	.123	.090	.119	.087	.064	.070	.051	.038	.023	.017	.013	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 26 November 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 8.186m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

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	22.4	23.8	22.8	24.2	24.6	21.5	22.9	21.9	23.3	23.7
3H	24.8	26.2	25.3	26.6	27.0	23.2	24.5	23.6	24.9	25.4
4H	26.1	27.4	26.6	27.8	28.3	23.9	25.2	24.3	25.6	26.1
6H	27.4	28.6	27.9	29.1	29.6	24.4	25.6	24.9	26.1	26.6
8H	28.1	29.2	28.6	29.7	30.2	24.6	25.7	25.1	26.2	26.7
12H	28.8	29.9	29.3	30.4	30.9	24.7	25.8	25.2	26.3	26.8
4H 2H	23.0	24.3	23.5	24.7	25.2	22.3	23.6	22.8	24.1	24.5
3H	25.6	26.8	26.1	27.2	27.8	24.3	25.4	24.8	25.9	26.4
4H	27.1	28.1	27.6	28.6	29.1	25.1	26.2	25.7	26.7	27.2
6H	28.5	29.5	29.1	30.0	30.6	25.8	26.7	26.4	27.3	27.9
8H	29.3	30.2	29.9	30.7	31.3	26.1	26.9	26.6	27.5	28.1
12H	30.1	30.9	30.7	31.5	32.1	26.2	27.0	26.8	27.6	28.2
8H 4H	27.4	28.2	27.9	28.8	29.4	25.8	26.6	26.3	27.2	27.8
6H	29.1	29.8	29.7	30.4	31.0	26.7	27.4	27.3	28.0	28.6
8H	30.0	30.6	30.6	31.2	31.9	27.1	27.7	27.7	28.3	29.0
12H	31.0	31.6	31.6	32.2	32.9	27.4	28.0	28.0	28.6	29.3
12H 4H	27.4	28.2	28.0	28.7	29.4	25.9	26.7	26.5	27.3	27.9
6H	29.2	29.8	29.8	30.4	31.1	27.0	27.6	27.6	28.2	28.9
8H	30.1	30.7	30.8	31.3	32.0	27.4	28.0	28.1	28.6	29.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1243 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.8)
Area: 0.02 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:26 November 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:8.186m [K=1.0000]
Remarks:

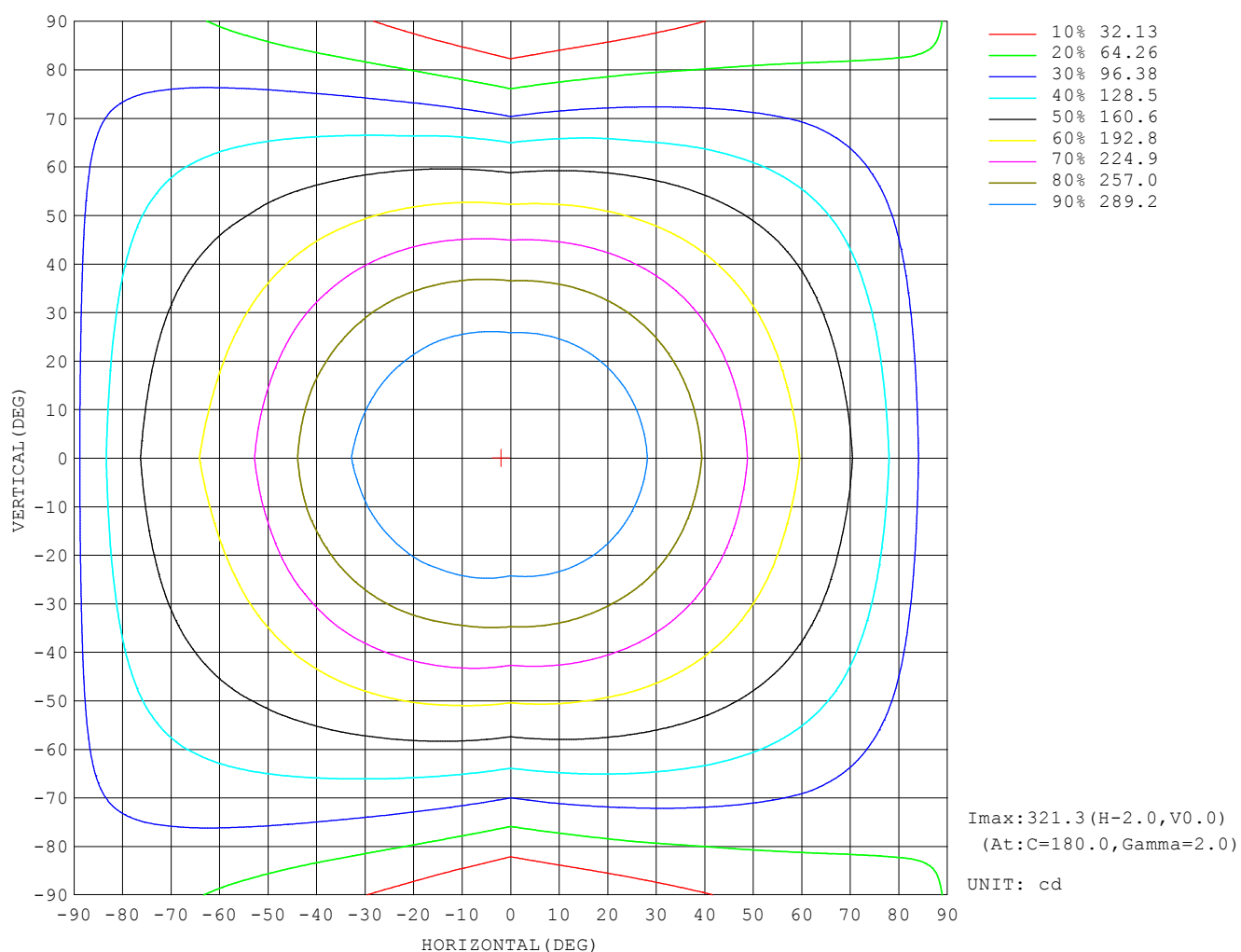
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	32	50	39	32	49	38	31	25
0.80	61	48	40	59	48	40	57	46	39	32
1.00	69	56	48	67	55	48	64	56	47	39
1.25	76	64	56	74	63	55	70	60	54	45
1.50	81	69	61	78	68	60	74	65	59	49
2.00	88	78	70	85	76	69	80	73	67	56
2.50	92	83	76	89	81	74	84	77	71	60
3.00	96	88	81	93	85	79	87	81	76	64
4.00	100	93	87	97	91	85	91	86	82	69
5.00	103	97	92	100	94	90	94	89	85	72
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 26 November 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 8.186m [K=1.0000]
 Remarks:

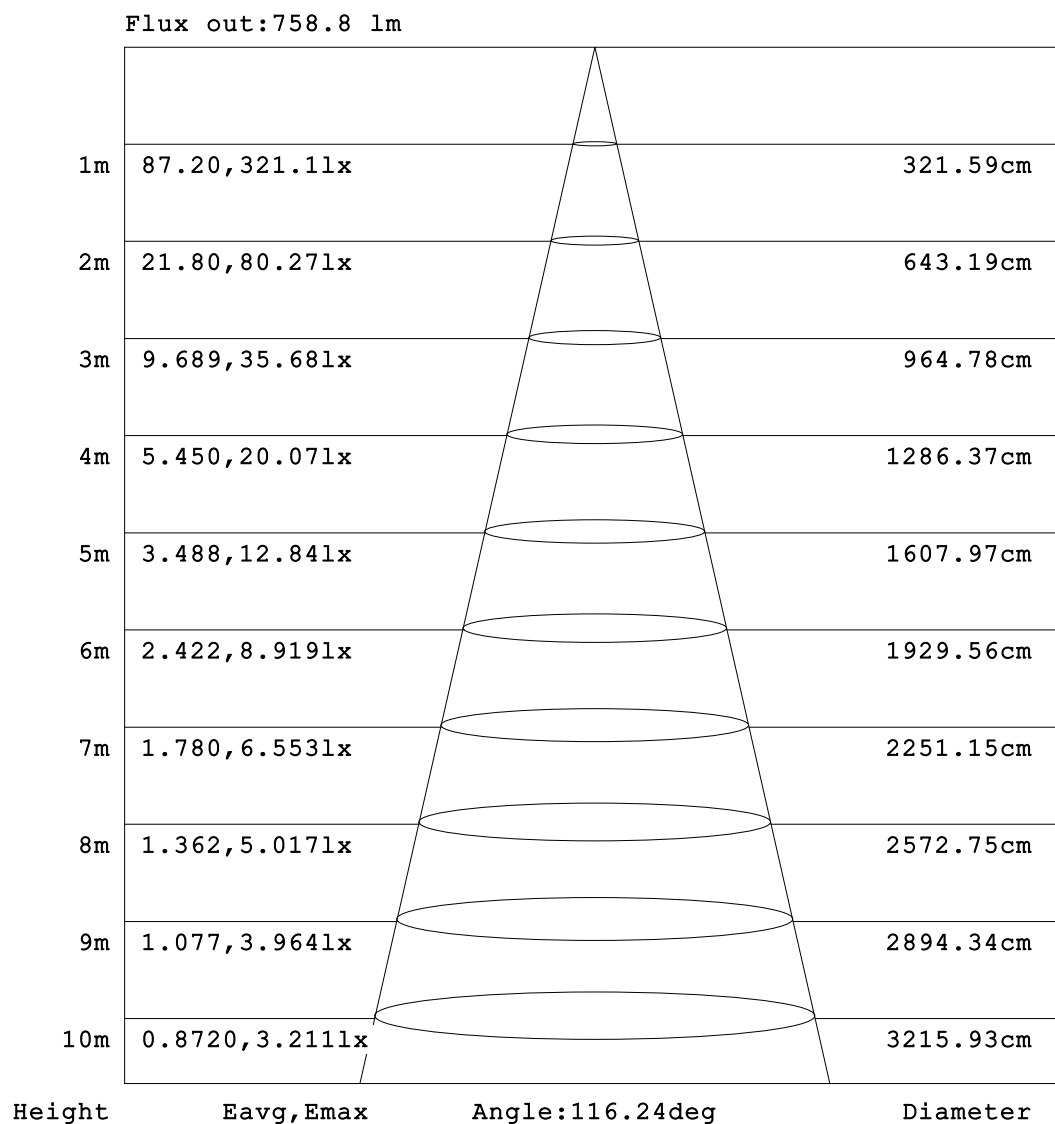
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 26 November 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 8.186m [K=1.0000]
Remarks:

AAI Figure

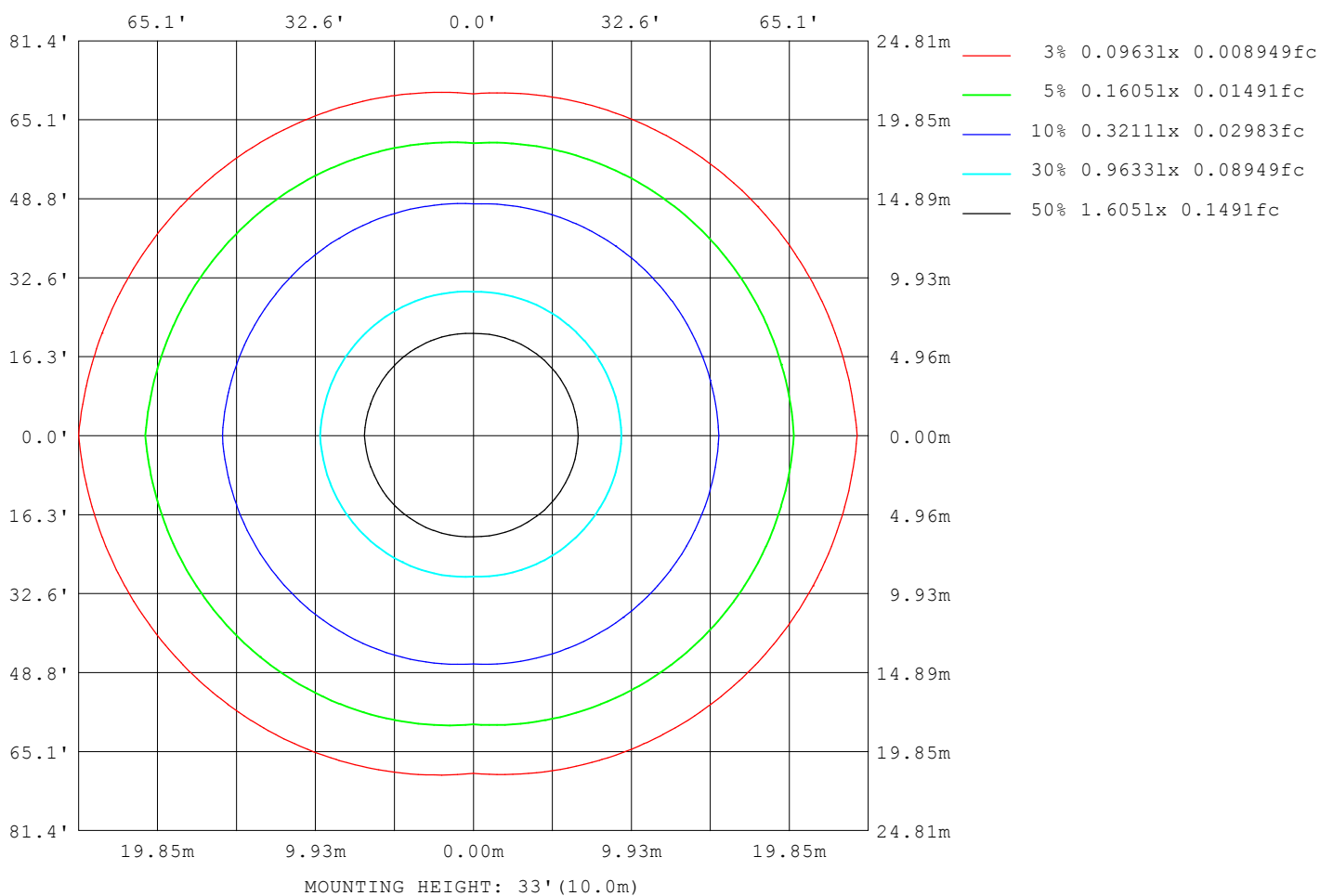


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:26 November 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:8.186m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 26 November 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 8.186m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:100.30V I:0.1630A P:14.400W PF:0.8810 Freq:50.00Hz Lamp Flux:1242.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Everfine	SUR.:	Shielding Angle:

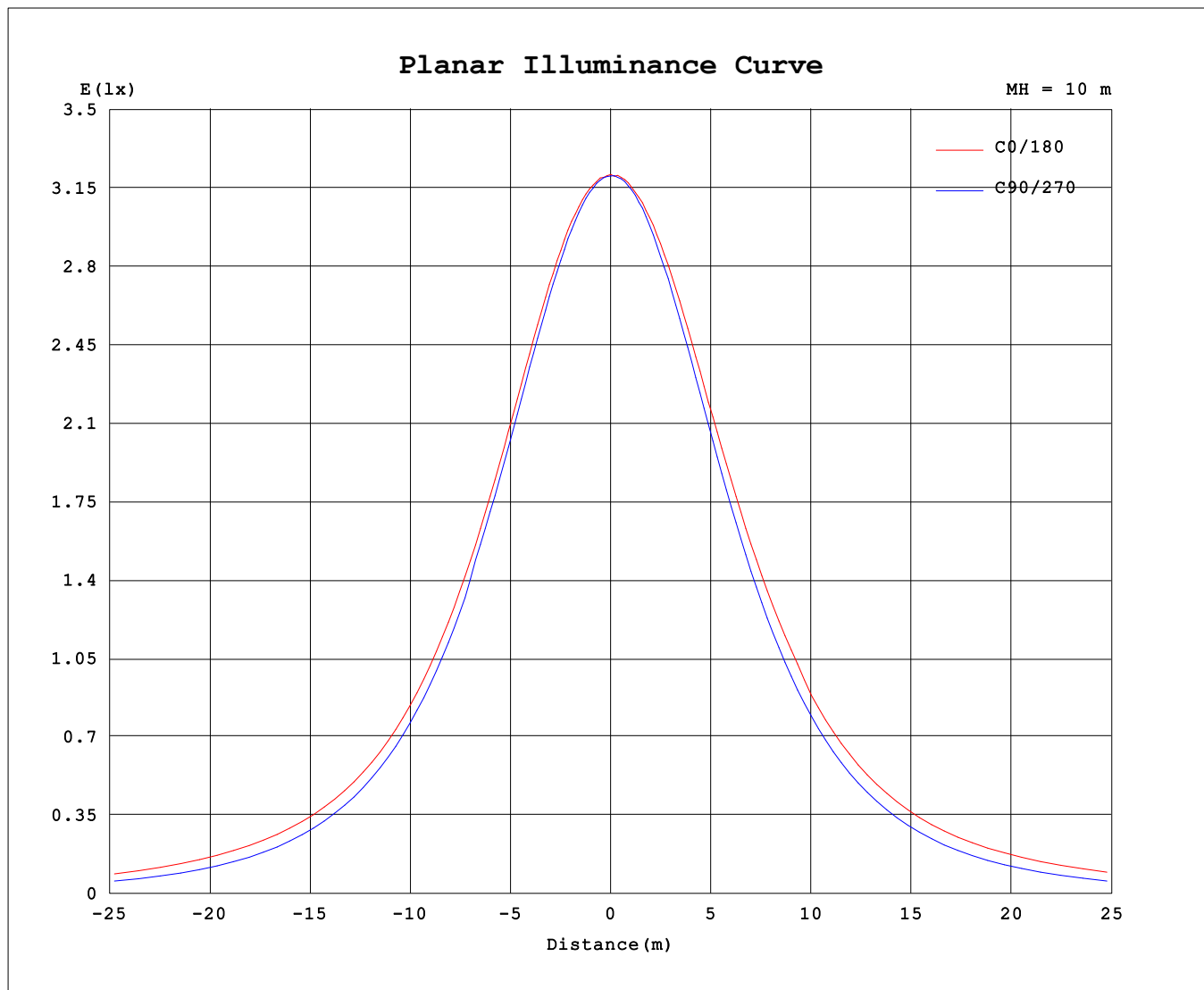
AvgL	cd/m2
L_0~180 (65) av	21861
L_0~180 (75) av	29666
L_0~180 (85) av	60315
L_90~270 (65) av	14859
L_90~270 (75) av	13487
L_90~270 (85) av	11399
L_45 (65) av	17530
L_45 (75) av	19694
L_45 (85) av	30241

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:26 November 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:8.186m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 26 November 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 8.186m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	321	320	321	320															
5	320	319	321	320															
10	318	315	319	317															
15	314	308	317	310															
20	306	299	311	302															
25	297	288	304	291															
30	285	274	295	278															
35	271	256	284	262															
40	255	235	271	245															
45	238	216	251	224															
50	221	195	235	203															
55	205	172	217	180															
60	192	148	202	155															
65	179	123	191	128															
70	163	96.5	180	98.4															
75	142	69.4	165	70.3															
80	119	42.8	145	43.1															
85	91.2	19.6	119	20.2															
90	65.0	3.96	89.8	5.64															
95	46.7	3.05	66.0	3.89															
100	35.7	3.31	49.4	4.01															
105	30.8	3.53	38.4	4.24															
110	28.0	3.86	33.4	4.54															
115	27.5	4.20	32.1	4.81															
120	28.3	4.42	32.4	5.10															
125	31.0	4.72	34.5	5.36															
130	36.0	5.03	39.0	5.63															
135	35.6	5.34	42.6	5.90															
140	33.8	5.67	42.7	6.12															
145	33.4	5.98	35.1	6.30															
150	27.5	6.28	26.4	6.51															
155	17.5	6.56	24.6	6.71															
160	11.0	6.87	21.6	6.90															
165	7.61	7.12	7.93	7.09															
170	7.34	7.33	7.24	7.18															
175	7.43	7.46	7.21	7.29															
180	7.43	7.51	7.41	7.49															

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:26 November 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:8.186m [K=1.0000]

Remarks: