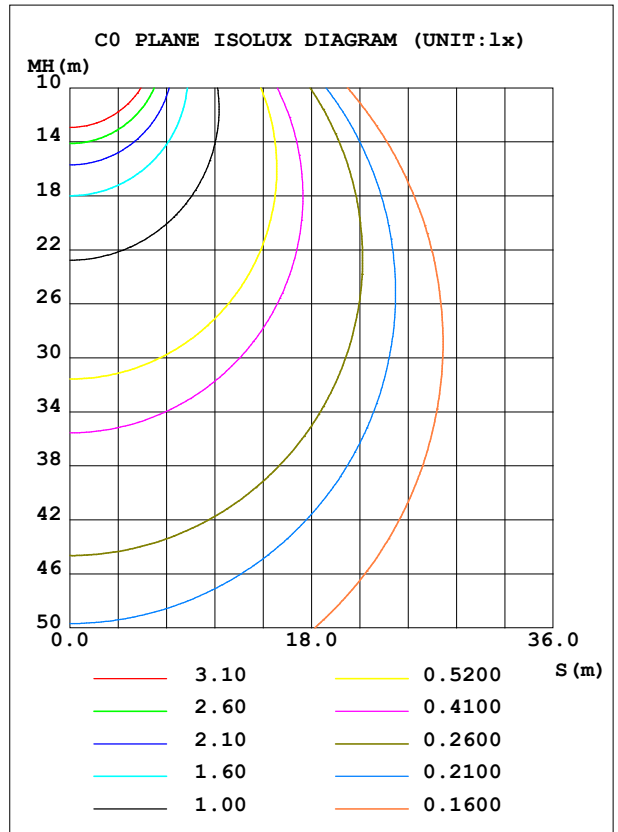
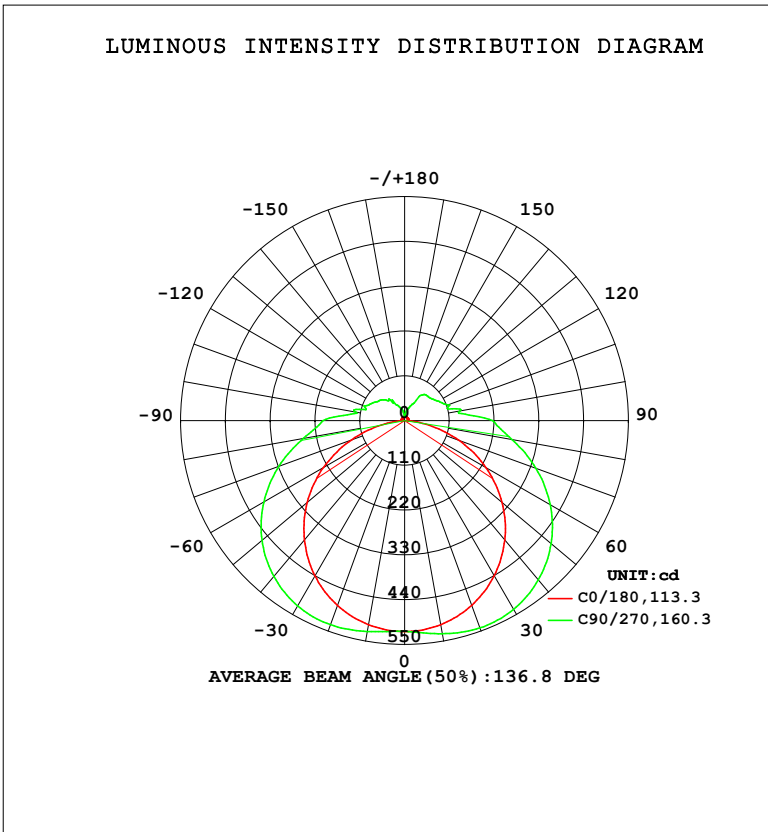


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 77.82 lm/W
MODEL	3000K	I _{max} (cd)	542.1	S/MH (C0/180)	1.26	
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.51	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	2312.0	η UP, DN (C0-180)	7.5, 43.3	
NOMINAL FLUX (lm)	2311.99	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.9, 42.3	
LAMPS INSIDE	1	η up (%)	14.3	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	120	η down (%)	85.7	CIBSE SHR MAX	1.55	



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 7.380m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	%lum,lamp
10	509.1	531.4	509.1	525.9				0- 10	49.53	49.53	2.14,2.14
20	482.7	541.7	483.1	533.4				10- 20	146.1	195.6	8.46,8.46
30	440.0	535.5	440.6	525.7				20- 30	230.7	426.3	18.4,18.4
40	382.9	510.9	383.0	499.9				30- 40	292.3	718.6	31.1,31.1
50	312.6	469.9	312.5	457.1				40- 50	322.5	1041	45,45
60	231.0	412.9	229.7	399.2				50- 60	317.2	1358	58.8,58.8
70	141.7	343.4	138.7	328.6				60- 70	276.1	1634	70.7,70.7
80	53.39	268.0	51.01	252.4				70- 80	207.6	1842	79.7,79.7
90	7.648	216.2	7.243	200.6				80- 90	138.3	1980	85.7,85.7
100	7.644	138.5	7.678	122.8				90-100	91.53	2072	89.6,89.6
110	8.553	114.1	8.717	106.3				100-110	66.19	2138	92.5,92.5
120	8.879	95.91	8.941	89.01				110-120	53.82	2192	94.8,94.8
130	9.068	85.29	9.115	78.43				120-130	42.82	2235	96.7,96.7
140	9.243	82.28	9.270	64.02				130-140	33.76	2268	98.1,98.1
150	9.409	57.87	9.452	55.13				140-150	24.43	2293	99.2,99.2
160	9.842	35.71	9.854	34.81				150-160	12.27	2305	99.7,99.7
170	10.20	21.14	10.22	22.49				160-170	5.648	2311	99.9,99.9
180	10.39	10.39	10.40	10.39				170-180	1.249	2312	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

Conical surface Flux(90deg): 878.26 lm

%lum = 38.0%

%lamp = 38.0%

Conical surface Flux(120deg): 1358.3 lm

%lum = 58.8%

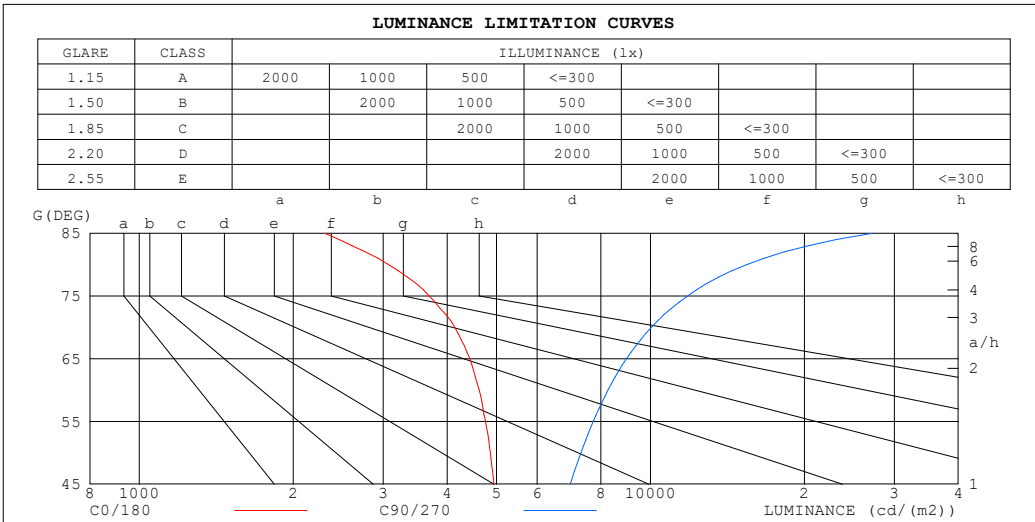
%lamp = 58.8%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:7.380m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2308	27197
80	3074	15431
75	3693	11822
70	4142	10040
65	4431	8978
60	4620	8258
55	4756	7728
50	4863	7310
45	4939	6966

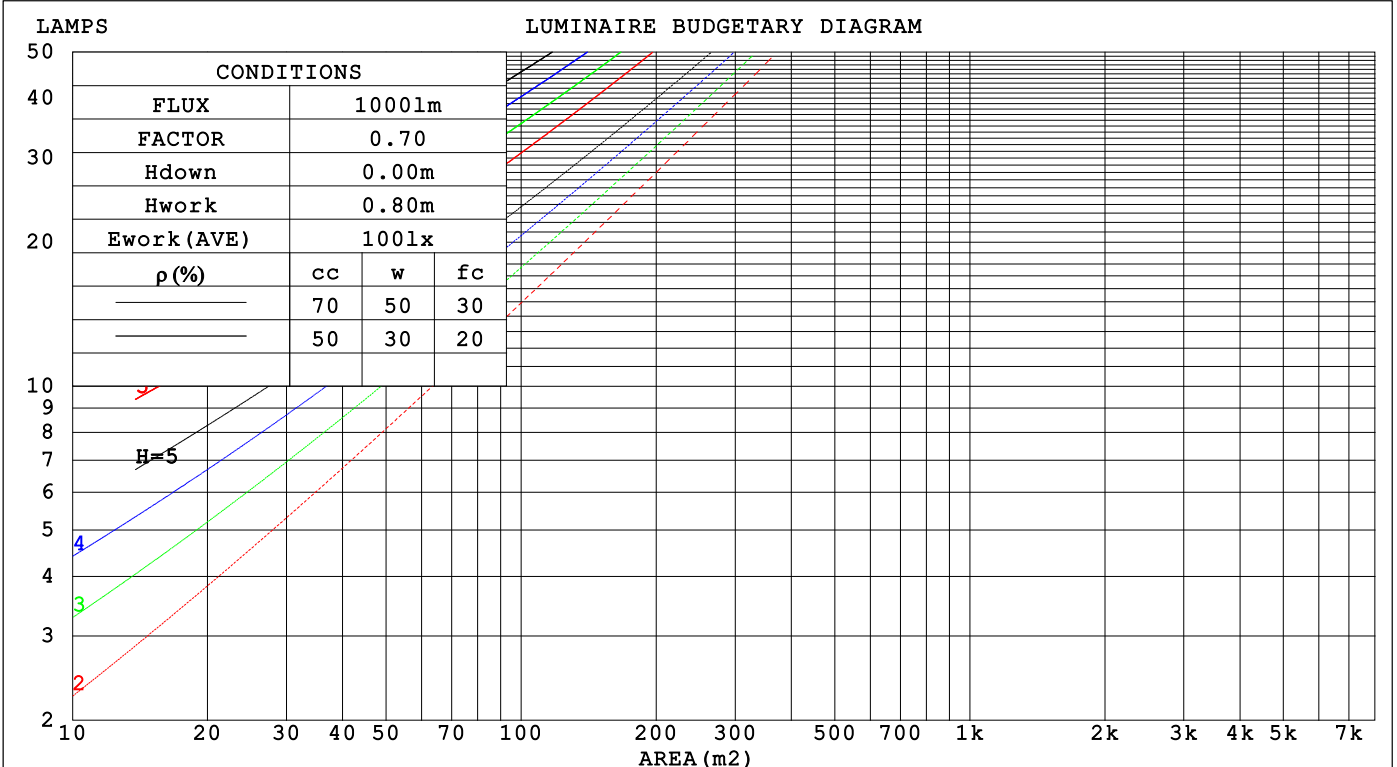
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 7.380m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	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 Coefficients of Utilization(CU)															
0.0	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.97	.92	.88	.94	.89	.85	.87	.83	.80	.80	.77	.75	.74	.72	.70	.67
2.0	.83	.76	.69	.80	.73	.67	.74	.69	.64	.69	.64	.60	.64	.60	.57	.54
3.0	.72	.64	.57	.70	.62	.55	.65	.58	.52	.60	.54	.50	.56	.51	.47	.44
4.0	.64	.54	.47	.61	.53	.46	.57	.50	.44	.53	.47	.42	.49	.44	.40	.37
5.0	.56	.47	.40	.54	.46	.39	.51	.43	.37	.47	.41	.36	.44	.38	.34	.31
6.0	.51	.41	.34	.49	.40	.34	.45	.38	.32	.42	.36	.31	.40	.34	.30	.27
7.0	.46	.36	.30	.44	.36	.30	.41	.34	.28	.38	.32	.27	.36	.30	.26	.24
8.0	.41	.33	.27	.40	.32	.26	.38	.30	.25	.35	.29	.24	.33	.27	.23	.21
9.0	.38	.29	.24	.37	.29	.23	.34	.27	.22	.32	.26	.22	.30	.25	.21	.19
10.0	.35	.27	.21	.34	.26	.21	.32	.25	.20	.30	.24	.19	.28	.23	.19	.17



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:DAMIN
 Test Date:09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:7.380m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.368	.209	.066	.357	.203	.065	.335	.192	.061	.315	.182	.058	.297	.172	.055	
2.0	.325	.178	.055	.315	.173	.053	.295	.164	.051	.277	.156	.049	.261	.147	.046	
3.0	.292	.155	.047	.282	.151	.046	.265	.143	.044	.248	.136	.042	.233	.129	.040	
4.0	.264	.137	.040	.256	.134	.040	.240	.127	.038	.225	.121	.036	.211	.115	.035	
5.0	.241	.123	.036	.233	.120	.035	.219	.114	.034	.205	.108	.032	.193	.103	.031	
6.0	.221	.111	.032	.214	.108	.031	.201	.103	.030	.189	.098	.029	.178	.093	.028	
7.0	.205	.101	.029	.198	.099	.028	.186	.094	.027	.175	.090	.026	.165	.085	.025	
8.0	.190	.093	.026	.184	.091	.026	.173	.087	.025	.163	.083	.024	.153	.079	.023	
9.0	.177	.086	.024	.172	.084	.024	.162	.080	.023	.152	.076	.022	.143	.073	.021	
10.0	.166	.080	.022	.161	.078	.022	.152	.074	.021	.143	.071	.020	.135	.068	.019	

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	.300	.300	.300	.256	.256	.256	.175	.175	.175	.100	.100	.100	.032	.032	.032	
1.0	.295	.266	.240	.252	.228	.207	.172	.157	.143	.099	.091	.083	.032	.029	.027	
2.0	.288	.243	.205	.246	.209	.177	.169	.145	.124	.097	.084	.072	.031	.027	.024	
3.0	.280	.226	.183	.240	.195	.158	.165	.135	.111	.095	.079	.066	.031	.026	.021	
4.0	.273	.213	.168	.234	.184	.146	.161	.128	.103	.093	.075	.061	.030	.025	.020	
5.0	.265	.203	.158	.228	.176	.137	.157	.123	.097	.091	.072	.058	.029	.024	.019	
6.0	.258	.195	.151	.221	.169	.131	.153	.118	.093	.089	.070	.055	.029	.023	.018	
7.0	.251	.189	.145	.216	.164	.127	.149	.115	.090	.087	.068	.053	.028	.022	.018	
8.0	.244	.183	.141	.210	.159	.123	.145	.112	.087	.085	.066	.052	.027	.022	.017	
9.0	.238	.178	.138	.205	.155	.121	.142	.109	.086	.083	.064	.051	.027	.021	.017	
10.0	.232	.174	.136	.200	.151	.118	.139	.106	.084	.081	.063	.050	.026	.021	.017	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:7.380m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz										
Lamp Flux:2311.99x1 lm										
NAME: 62675LEDDCS					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 1		
MFR.: EVERFINE					SUR.:			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	14.5	15.9	15.0	16.4	16.9	16.6	18.0	17.1	18.5	18.9
3H	16.0	17.3	16.5	17.8	18.3	19.1	20.4	19.6	20.9	21.4
4H	16.6	17.8	17.1	18.3	18.8	20.4	21.7	20.9	22.2	22.7
6H	16.9	18.1	17.5	18.6	19.2	21.9	23.0	22.4	23.5	24.1
8H	17.0	18.1	17.6	18.7	19.3	22.6	23.8	23.2	24.3	24.9
12H	17.1	18.1	17.6	18.7	19.3	23.6	24.7	24.1	25.2	25.8
4H 2H	15.5	16.8	16.1	17.3	17.8	17.1	18.3	17.6	18.8	19.4
3H	17.3	18.4	17.8	18.9	19.5	19.8	20.9	20.3	21.4	22.0
4H	18.0	19.0	18.6	19.6	20.2	21.3	22.3	21.8	22.8	23.5
6H	18.6	19.5	19.2	20.0	20.7	22.9	23.8	23.5	24.4	25.0
8H	18.7	19.6	19.4	20.2	20.9	23.8	24.6	24.4	25.2	25.9
12H	18.8	19.6	19.5	20.2	20.9	24.9	25.7	25.5	26.3	27.0
8H 4H	18.8	19.7	19.4	20.3	20.9	21.5	22.3	22.1	22.9	23.6
6H	19.7	20.4	20.3	21.0	21.7	23.4	24.1	24.0	24.7	25.4
8H	20.0	20.7	20.7	21.3	22.1	24.5	25.1	25.1	25.8	26.5
12H	20.3	20.8	21.0	21.5	22.3	25.8	26.3	26.5	27.0	27.8
12H 4H	19.1	19.8	19.7	20.4	21.1	21.5	22.3	22.1	22.9	23.6
6H	20.1	20.7	20.7	21.4	22.1	23.4	24.1	24.1	24.7	25.5
8H	20.6	21.1	21.3	21.8	22.6	24.6	25.2	25.3	25.8	26.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117, 2312 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)
Area: 0.1 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 90.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Temperature:25.3℃	Humidity:65.0%
Operators:DAMIN	Test Distance:7.380m [K=1.0000]
Test Date:09 August 2025	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

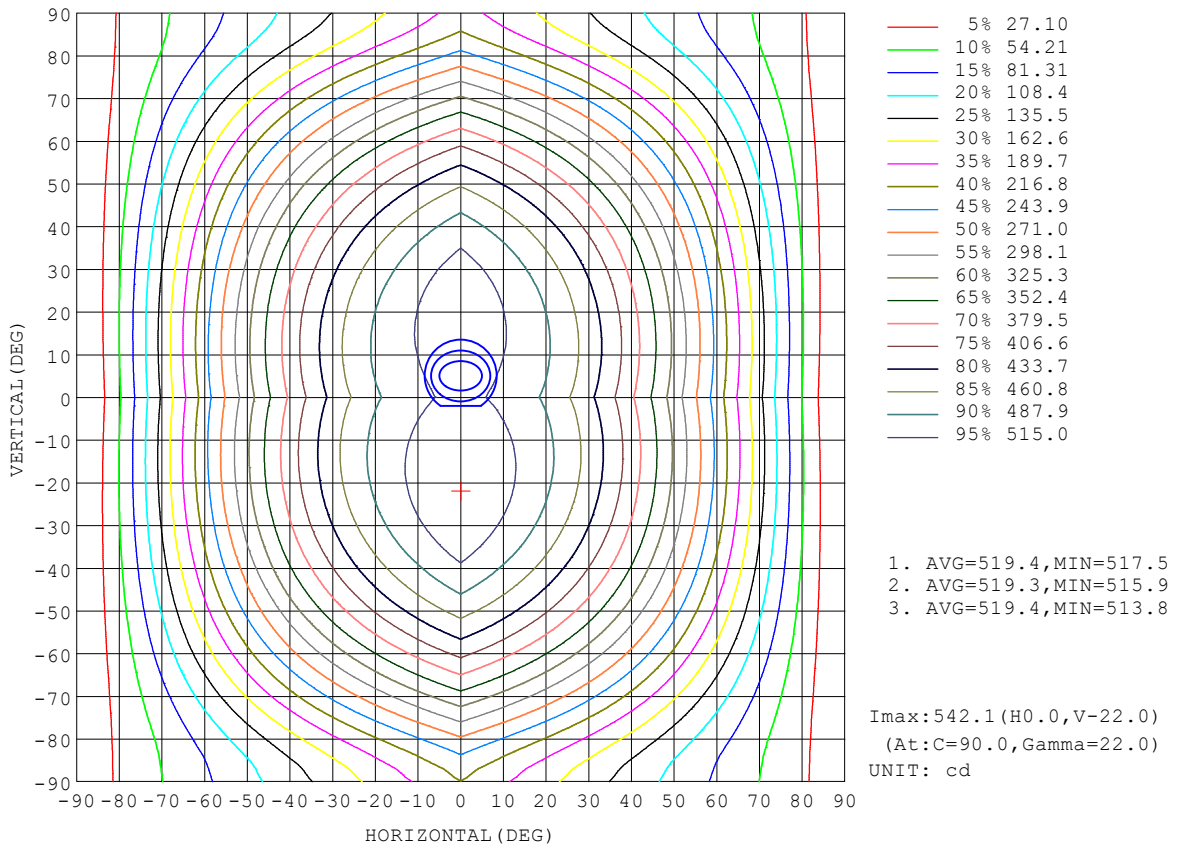
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	30	48	37	30	46	36	29	22
0.80	59	46	38	57	45	38	55	44	37	29
1.00	67	54	46	65	53	45	62	54	44	36
1.25	74	62	53	72	60	52	67	58	51	42
1.50	79	67	59	76	66	58	72	63	56	46
2.00	86	76	68	83	74	66	78	70	64	53
2.50	91	81	73	87	79	72	82	74	69	57
3.00	94	86	79	91	83	77	85	78	73	61
4.00	99	91	85	95	89	83	89	83	79	65
5.00	102	95	90	98	92	87	91	86	82	68
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:09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:7.380m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

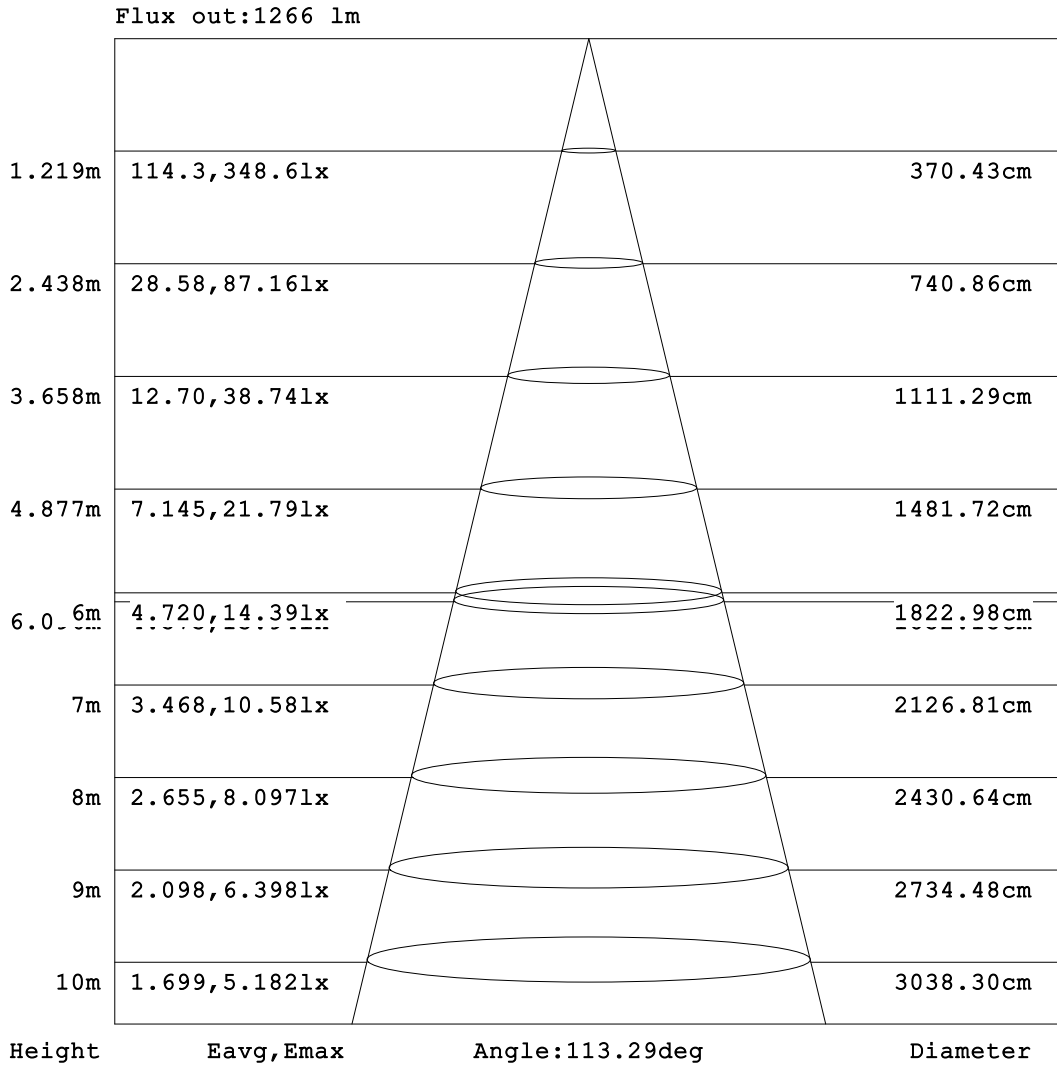


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:09 August 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



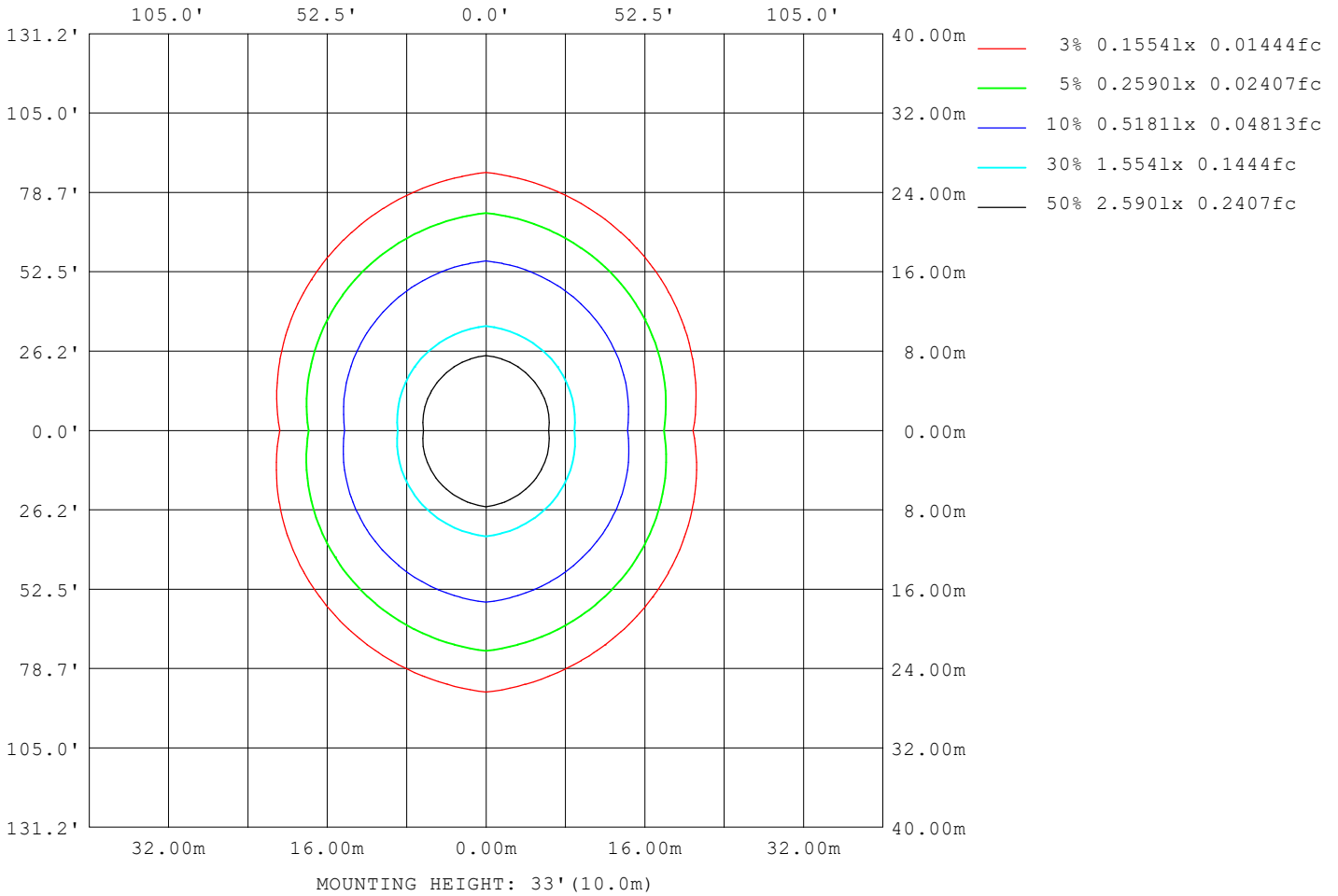
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 7.380m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:7.380m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

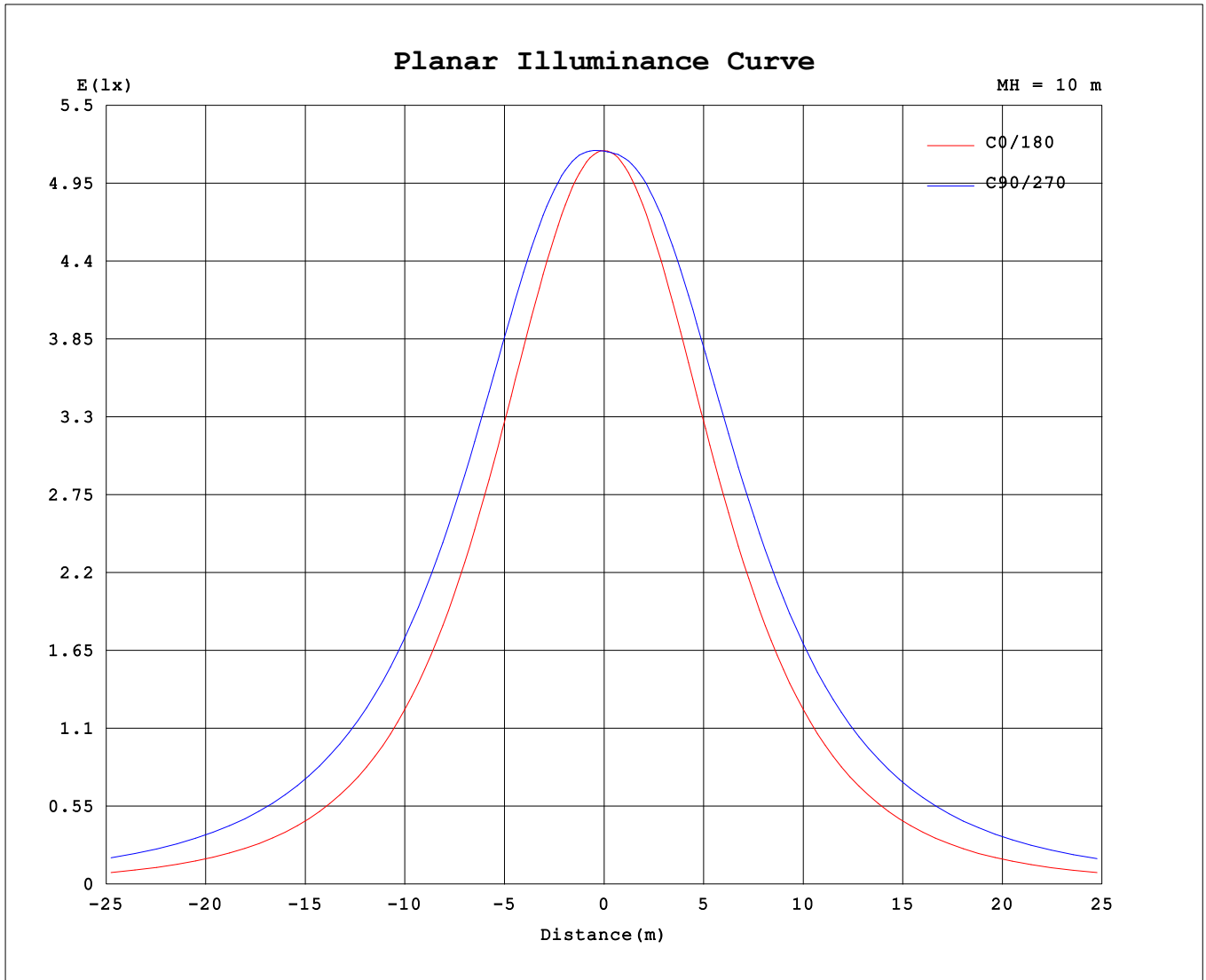
AvgL	cd/m2
L_0~180 (65) av	4398
L_0~180 (75) av	3650
L_0~180 (85) av	2198
L_90~270 (65) av	8810
L_90~270 (75) av	11514
L_90~270 (85) av	26256
L_45 (65) av	7153
L_45 (75) av	8563
L_45 (85) av	17228

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:7.380m [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: 09 August 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 7.380m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.2649A P:29.708W PF:0.9341 Freq:59.98Hz Lamp Flux:2311.99x1 lm		
NAME: 62675LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	518	518	518	518															
5	516	523	516	520															
10	509	531	509	526															
15	498	538	498	531															
20	483	542	483	533															
25	463	541	464	532															
30	440	536	441	526															
35	413	525	414	515															
40	383	511	383	500															
45	349	493	349	481															
50	313	470	313	457															
55	273	443	273	430															
60	231	413	230	399															
65	187	379	184	365															
70	142	343	139	329															
75	95.6	306	93.4	290															
80	53.4	268	51.0	252															
85	20.1	237	18.2	221															
90	7.65	216	7.24	201															
95	7.39	160	7.26	151															
100	7.64	138	7.68	123															
105	8.16	112	8.25	106															
110	8.55	114	8.72	106															
115	8.75	103	8.82	94.8															
120	8.88	95.9	8.94	89.0															
125	9.02	89.6	9.05	81.9															
130	9.07	85.3	9.12	78.4															
135	9.16	83.2	9.22	73.3															
140	9.24	82.3	9.27	64.0															
145	9.28	77.4	9.35	62.6															
150	9.41	57.9	9.45	55.1															
155	9.59	44.3	9.62	42.0															
160	9.84	35.7	9.85	34.8															
165	10.0	30.7	10.1	30.2															
170	10.2	21.1	10.2	22.5															
175	10.3	11.7	10.3	13.6															
180	10.4	10.4	10.4	10.4															

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:09 August 2025

γ Range: 0 - 180DEG
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