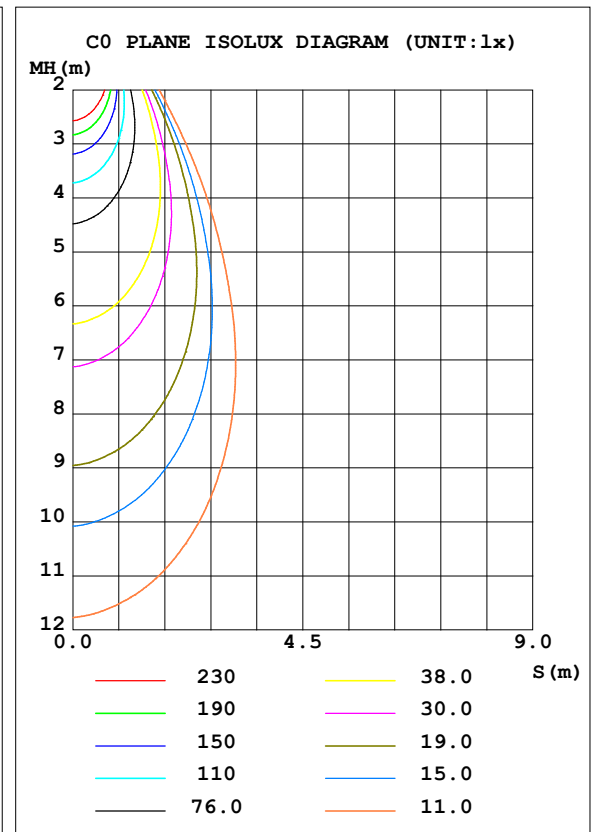
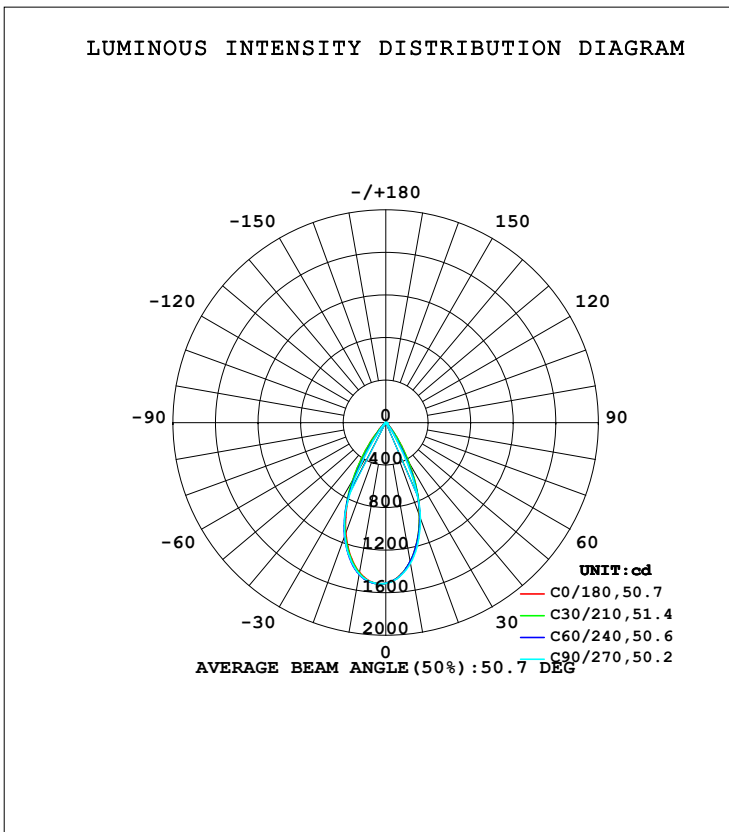


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.99 lm/W			
MODEL		I _{max} (cd)	1517	S/MH (C0/180)	0.83
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	0.80
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1041.5	η UP, DN (C0-180)	0.0, 44.5
NOMINAL FLUX (lm)	1041.48	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 55.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: GS
 Test Date: 2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 5.600m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

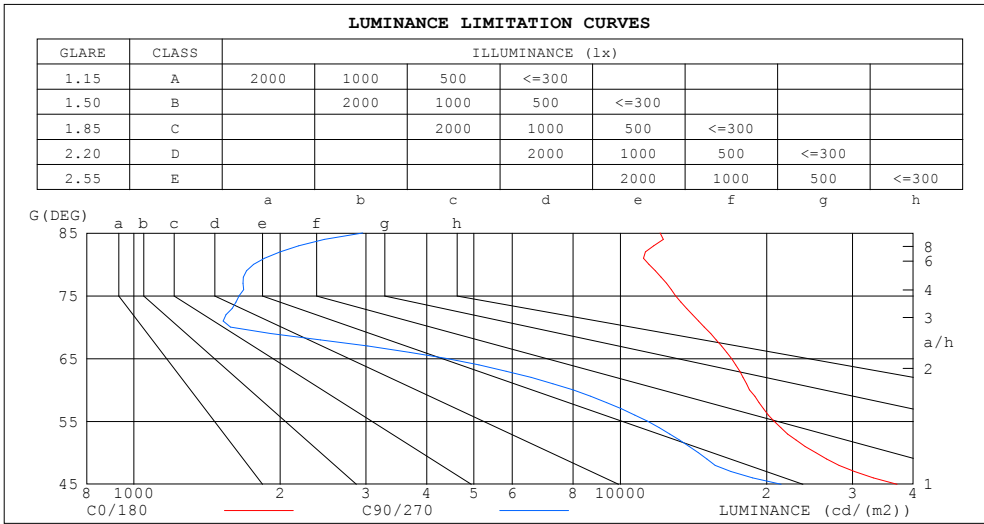
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1326	1326	1342	1343	1429	1442	1444	1419	0- 10	138.2	138.2	13.3,13.3
20	925.7	934.9	952.0	959.6	1103	1126	1132	1095	10- 20	340.8	479.0	46,46
30	434.0	390.1	312.0	387.4	609.0	594.2	528.5	574.5	20- 30	348.7	827.7	79.5,79.5
40	100.3	75.73	52.75	71.81	178.7	128.2	75.88	121.6	30- 40	154.9	982.6	94.3,94.3
50	25.52	18.24	14.83	18.06	33.69	21.65	16.07	22.10	40- 50	36.16	1019	97.8,97.8
60	14.51	9.265	6.371	8.826	16.56	10.06	7.451	10.37	50- 60	13.16	1032	99.1,99.1
70	8.023	2.426	0.8617	2.163	9.379	3.186	1.437	3.442	60- 70	6.560	1038	99.7,99.7
80	3.133	0.7019	0.4878	0.6564	4.088	0.6967	0.5272	0.7440	70- 80	2.152	1041	99.9,99.9
90	0.4712	0.4841	0.4242	0.4588	0.8520	0.4510	0.2967	0.4463	80- 90	0.8710	1041	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		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12067	2954
80	11456	1762
75	12992	1646
70	14893	1581
65	16919	4393
60	18424	7993
55	20708	11380
50	25206	14472
45	37037	21396

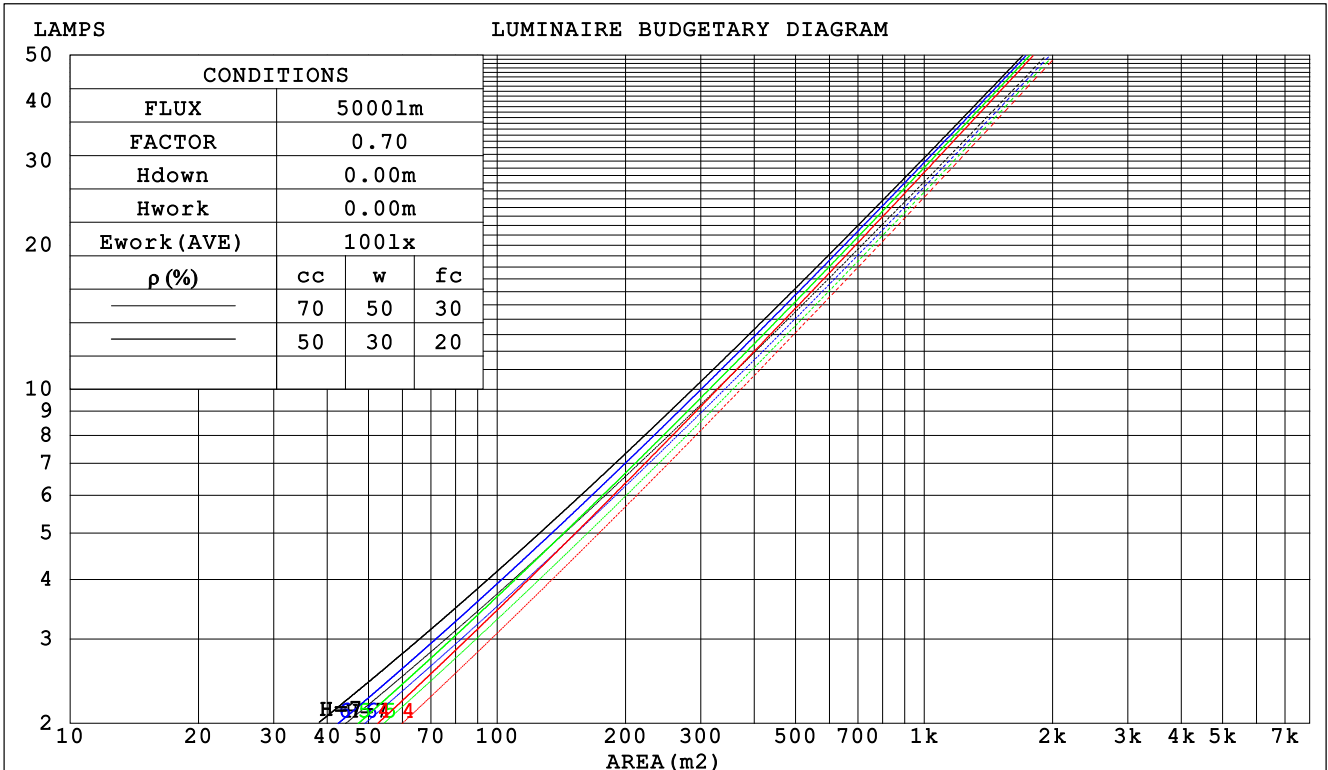
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.85	.89	.86	.84	.83
4.0	.91	.86	.82	.90	.86	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.78
5.0	.86	.81	.77	.85	.80	.76	.84	.79	.76	.82	.78	.75	.80	.77	.74	.73
6.0	.81	.76	.72	.81	.75	.72	.79	.74	.71	.78	.74	.71	.76	.73	.70	.69
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
8.0	.73	.67	.64	.72	.67	.63	.71	.67	.63	.70	.66	.63	.69	.66	.63	.61
9.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.59	.58
10.0	.66	.61	.57	.66	.60	.57	.65	.60	.57	.64	.60	.57	.63	.59	.56	.55



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	.171	.098	.031	.165	.094	.030	.152	.087	.028	.141	.081	.026	.130	.075	.024	
2.0	.163	.089	.027	.157	.087	.027	.147	.082	.025	.137	.077	.024	.128	.073	.023	
3.0	.155	.082	.025	.150	.080	.024	.141	.076	.023	.133	.073	.022	.125	.069	.021	
4.0	.147	.076	.022	.143	.075	.022	.135	.072	.021	.128	.069	.021	.121	.066	.020	
5.0	.140	.071	.021	.136	.070	.020	.130	.067	.020	.123	.065	.019	.118	.063	.019	
6.0	.133	.067	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018	.114	.060	.018	
7.0	.127	.063	.018	.125	.062	.018	.119	.060	.017	.115	.059	.017	.110	.057	.017	
8.0	.122	.060	.017	.120	.059	.017	.115	.057	.016	.111	.056	.016	.106	.055	.016	
9.0	.117	.057	.016	.115	.056	.016	.111	.055	.015	.107	.053	.015	.103	.052	.015	
10.0	.112	.054	.015	.110	.053	.015	.107	.052	.015	.103	.051	.015	.100	.050	.014	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.068	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.032	.016	.013	.011	
4.0	.132	.099	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.123	.087	.061	.105	.075	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.037	.064	.043	.027	.037	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.088	.055	.032	.061	.039	.023	.036	.023	.014	.012	.007	.004	
9.0	.098	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.032	.019	.010	.011	.006	.003	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME:		TYPE:ED-XW-75AY-55°					WEIGHT:				
SPEC.:		DIM.:					SERIAL No.:				
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	20.5	21.4	20.7	21.5	21.7	17.0	17.9	17.2	18.0	18.2	
3H	20.5	21.4	20.8	21.6	21.8	16.8	17.7	17.1	17.9	18.1	
4H	20.6	21.3	20.8	21.6	21.8	16.8	17.5	17.0	17.8	18.0	
6H	20.6	21.3	20.9	21.5	21.8	16.7	17.4	17.0	17.7	17.9	
8H	20.6	21.3	20.9	21.5	21.8	16.6	17.3	16.9	17.6	17.9	
12H	20.6	21.3	20.9	21.5	21.8	16.6	17.3	16.9	17.5	17.8	
4H 2H	20.3	21.0	20.5	21.3	21.5	16.9	17.7	17.2	17.9	18.1	
3H	20.4	21.0	20.7	21.3	21.6	16.7	17.4	17.1	17.7	18.0	
4H	20.4	21.0	20.7	21.3	21.6	16.7	17.3	17.0	17.6	17.9	
6H	20.4	21.0	20.8	21.3	21.6	16.6	17.1	17.0	17.5	17.8	
8H	20.5	21.0	20.8	21.3	21.7	16.5	17.0	16.9	17.4	17.8	
12H	20.5	20.9	20.9	21.3	21.7	16.5	17.0	16.9	17.3	17.7	
8H 4H	20.3	20.8	20.6	21.1	21.5	16.6	17.1	16.9	17.4	17.8	
6H	20.3	20.7	20.7	21.1	21.5	16.5	16.9	16.9	17.3	17.7	
8H	20.3	20.7	20.8	21.1	21.5	16.4	16.8	16.9	17.2	17.7	
12H	20.4	20.7	20.9	21.1	21.6	16.4	16.7	16.9	17.2	17.6	
12H 4H	20.2	20.7	20.6	21.0	21.4	16.5	17.0	16.9	17.3	17.7	
6H	20.2	20.6	20.7	21.0	21.5	16.4	16.8	16.9	17.2	17.6	
8H	20.3	20.6	20.7	21.0	21.5	16.4	16.7	16.9	17.1	17.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.9 / - 3.5					+ 2.3 / - 4.4					
1.5H	+ 5.1 / - 3.4					+ 4.0 / - 2.9					
2.0H	+ 2.8 / - 1.6					+ 2.4 / - 2.8					

CIE Pub.117, 1041 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)
 Area: 0.00158963 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

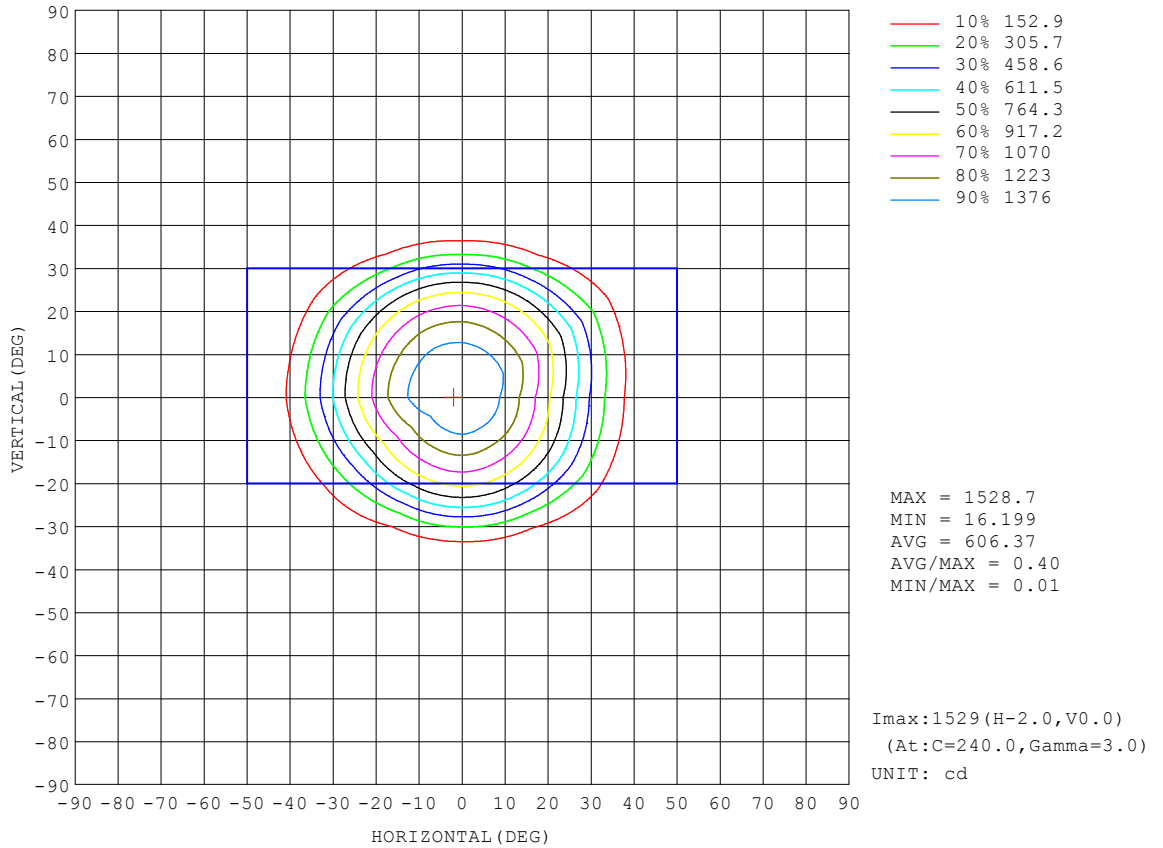
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	82	78	88	82	78	87	81	78	74
0.80	95	90	86	95	89	86	94	89	85	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	98	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

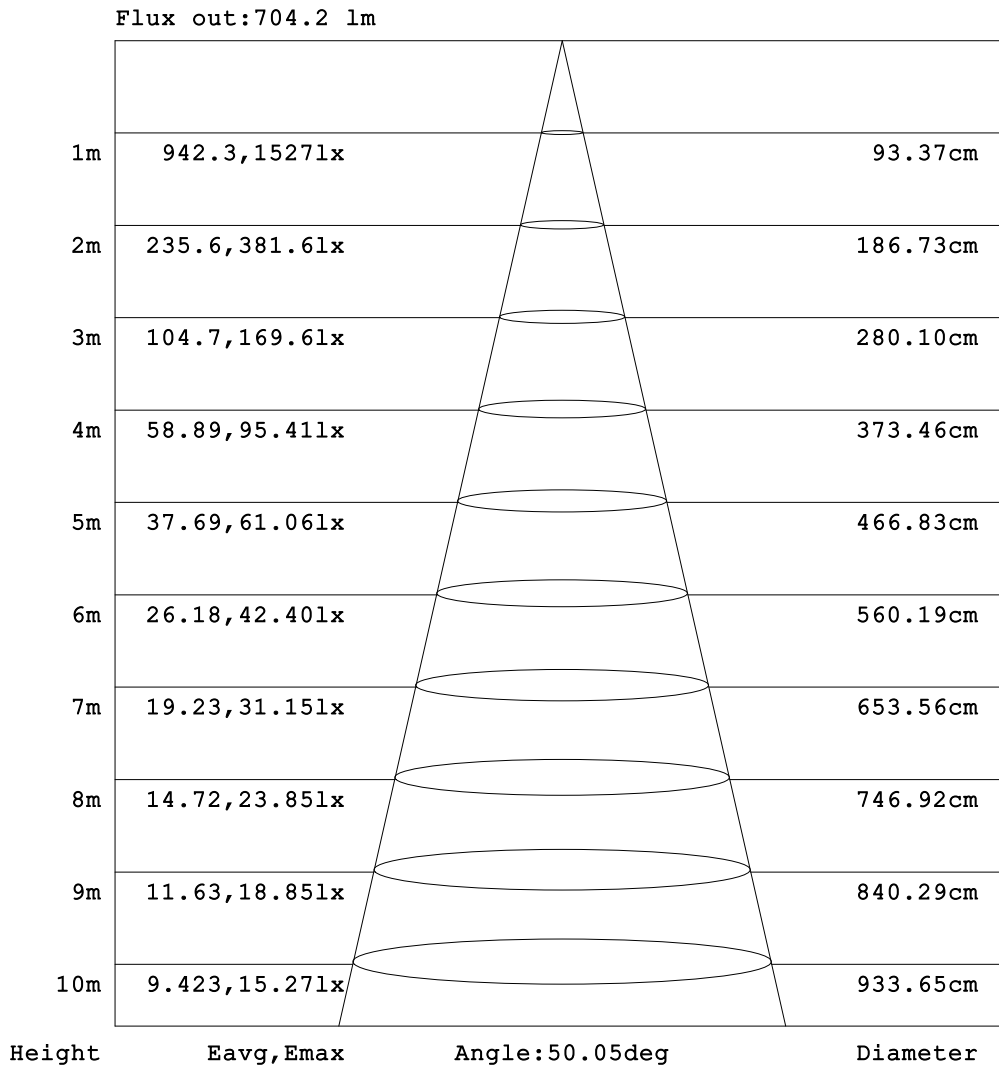


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

AAI Figure

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



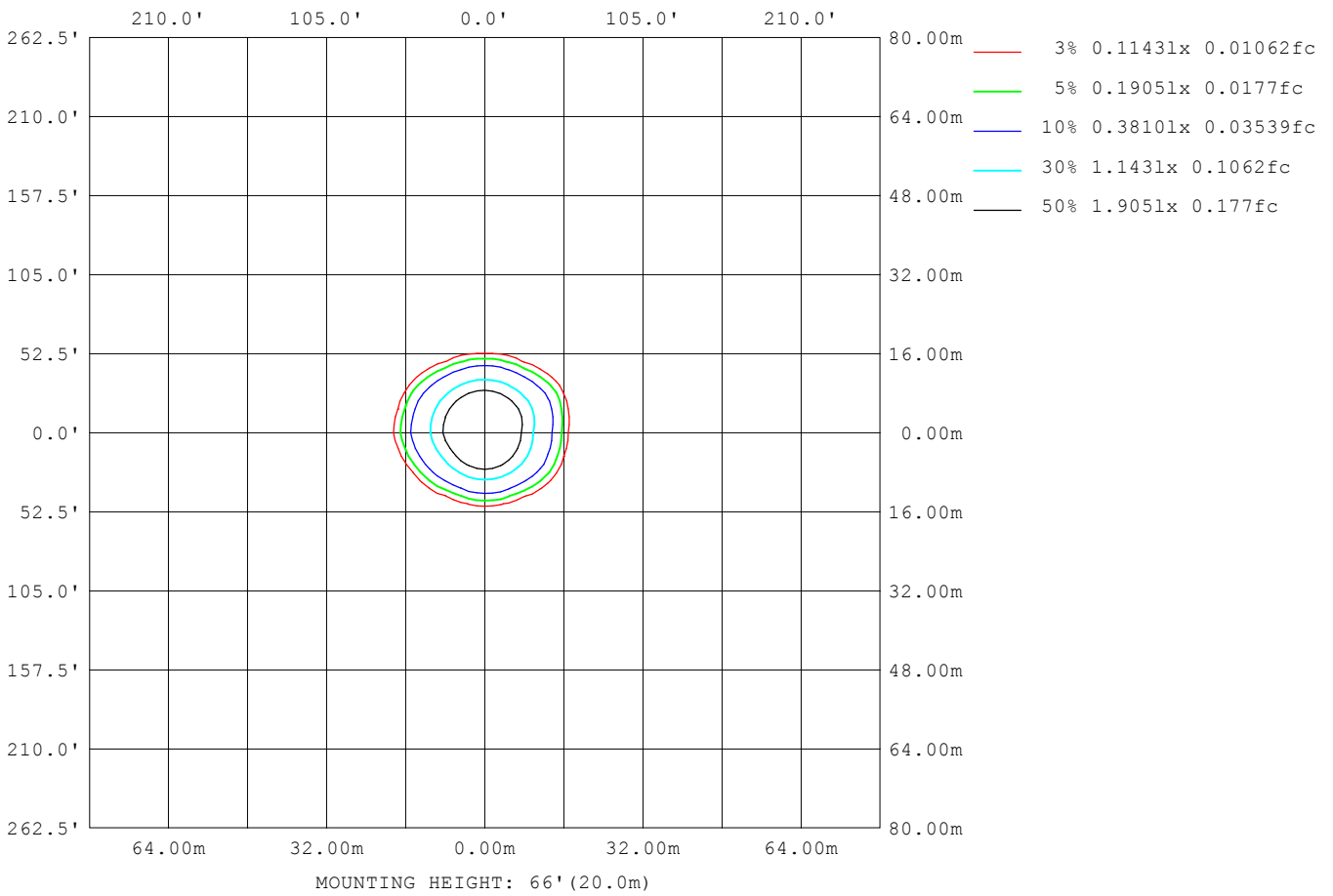
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: GS
 Test Date: 2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 5.600m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-03-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME:	TYPE:ED-XW-75AY-55°	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

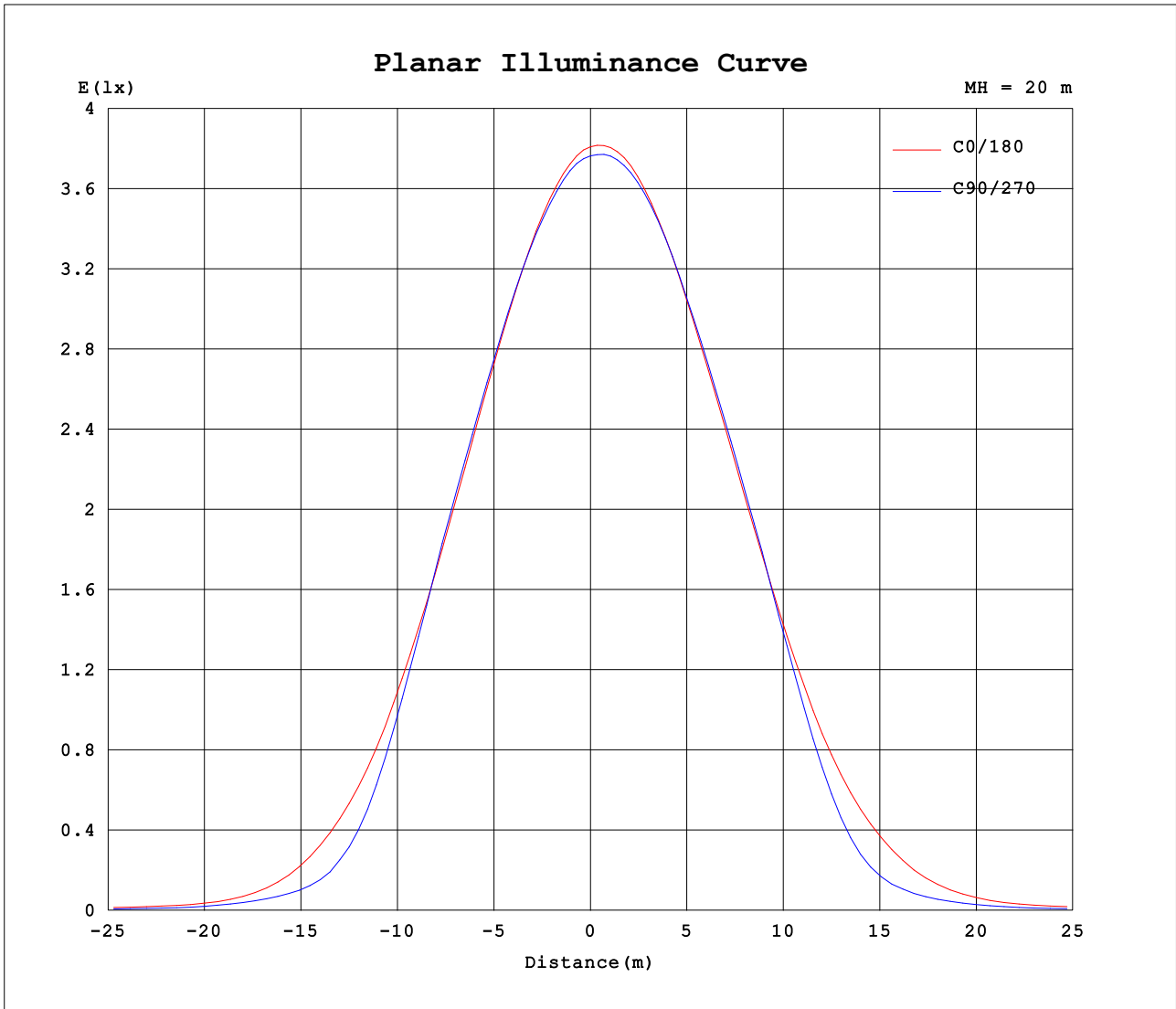
AvgL	cd/m2
L_0~180 (65) av	17789
L_0~180 (75) av	14221
L_0~180 (85) av	14373
L_90~270 (65) av	5187
L_90~270 (75) av	1725
L_90~270 (85) av	2773
L_45 (65) av	8557
L_45 (75) av	2237
L_45 (85) av	3942

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: GS
 Test Date: 2025-03-04

γ Range: 0 - 90DEG
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 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 5.600m [K=1.0000]
 Remarks:

