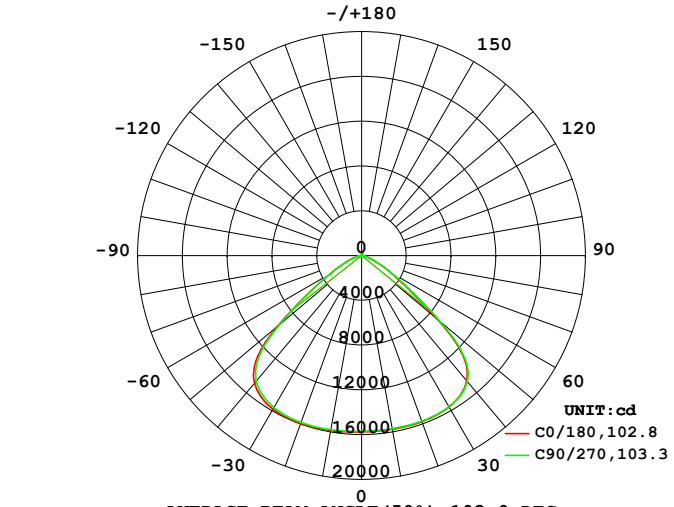
LUMINAIRE PHOTOMETRIC TEST REPORT

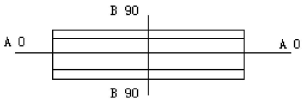
Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 172.30 lm/W
361 UHB1220-240W-110-H2-TCP-C02 4000K		Imax(cd)	15966	S/MH(C0/180)	1.50
NOMINAL POWER(W)	240	LOR(%)	100.0	S/MH(C90/270)	1.49
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	40474	η UP,DN(C0-180)	0.4,49.2
NOMINAL FLUX(lm)	40474	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,50.0
LAMPS INSIDE	1	η up(%)	0.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	99.2	CIBSE SHR MAX	1.55

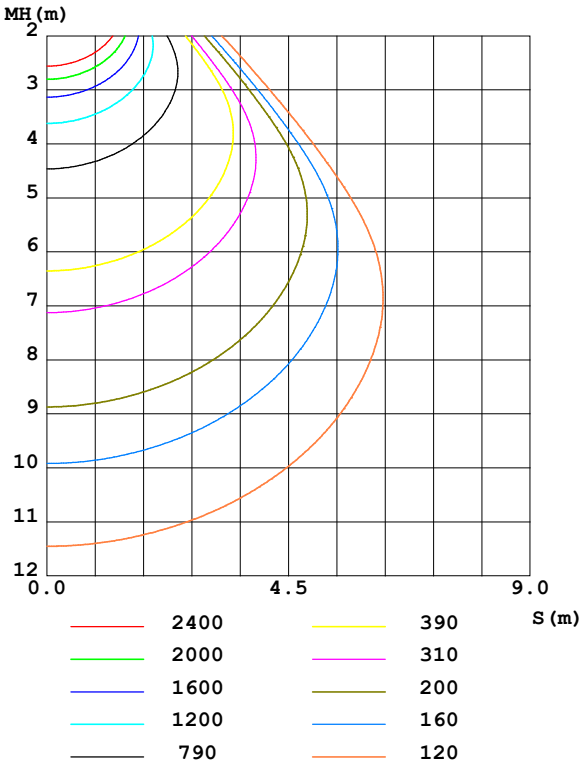
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):103.0 DEG



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [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	1575	1569	1569	1573	1586	1584	1579	1572	0- 10	1502	1502	3.71,3.71
20	1578	1572	1573	1580	1596	1594	1586	1577	10- 20	4477	5978	14.8,14.8
30	1562	1557	1559	1570	1584	1579	1567	1561	20- 30	7298	13277	32.8,32.8
40	1462	1461	1468	1485	1488	1479	1464	1466	30- 40	9601	22877	56.5,56.5
50	885.6	875.2	916.6	957.2	980.8	978.2	957.4	941.9	40- 50	9832	32710	80.8,80.8
60	285.2	288.2	301.9	292.7	321.5	334.0	325.9	285.3	50- 60	4948	37658	93,93
70	91.80	90.79	95.29	93.52	106.6	111.8	104.5	91.50	60- 70	1839	39496	97.6,97.6
80	21.35	20.80	21.95	22.71	27.05	27.90	25.93	22.21	70- 80	569.7	40066	99,99
90	2.129	2.135	2.103	2.076	2.062	2.100	2.108	2.118	80- 90	101.4	40167	99.2,99.2
100	2.951	2.953	2.912	2.880	2.851	2.846	2.886	2.918	90-100	27.09	40195	99.3,99.3
110	3.892	3.885	3.864	3.828	3.832	3.833	3.842	3.894	100-110	35.60	40230	99.4,99.4
120	4.777	4.762	4.745	4.708	4.789	4.777	4.773	4.849	110-120	42.78	40273	99.5,99.5
130	5.531	5.535	5.501	5.464	5.647	5.639	5.655	5.694	120-130	46.45	40319	99.6,99.6
140	6.227	6.234	6.195	6.150	6.381	6.375	6.392	6.417	130-140	45.98	40365	99.7,99.7
150	6.983	6.983	6.938	6.883	7.073	7.069	7.090	7.111	140-150	41.60	40407	99.8,99.8
160	8.009	7.997	7.951	7.910	8.001	7.984	8.006	8.025	150-160	34.51	40441	99.9,99.9
170	8.959	8.933	8.899	8.872	8.891	8.858	8.878	8.891	160-170	23.85	40465	100,100
180	9.275	9.244	9.237	9.237	9.285	9.246	9.240	9.239	170-180	8.665	40474	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

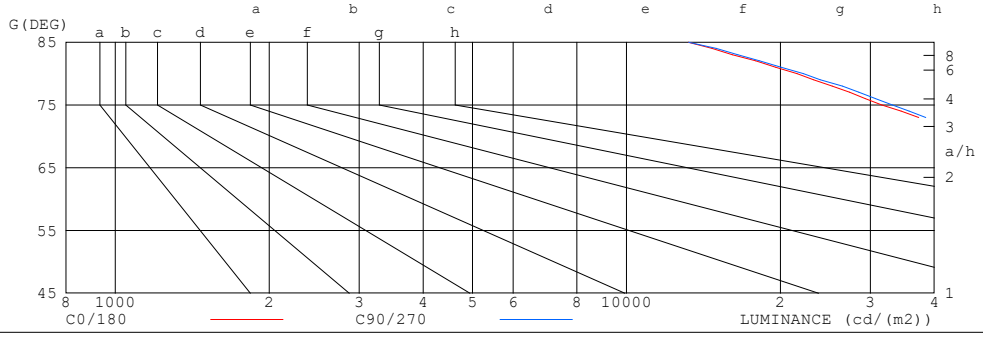
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz **UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm**		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: EVERFINE	**SUR.: 0.271*0.271**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	13216	13223
80	21575	22179
75	31618	33140
70	47090	48881
65	68838	72353
60	100056	105943
55	148461	157638
50	241720	250178
45	321592	324952

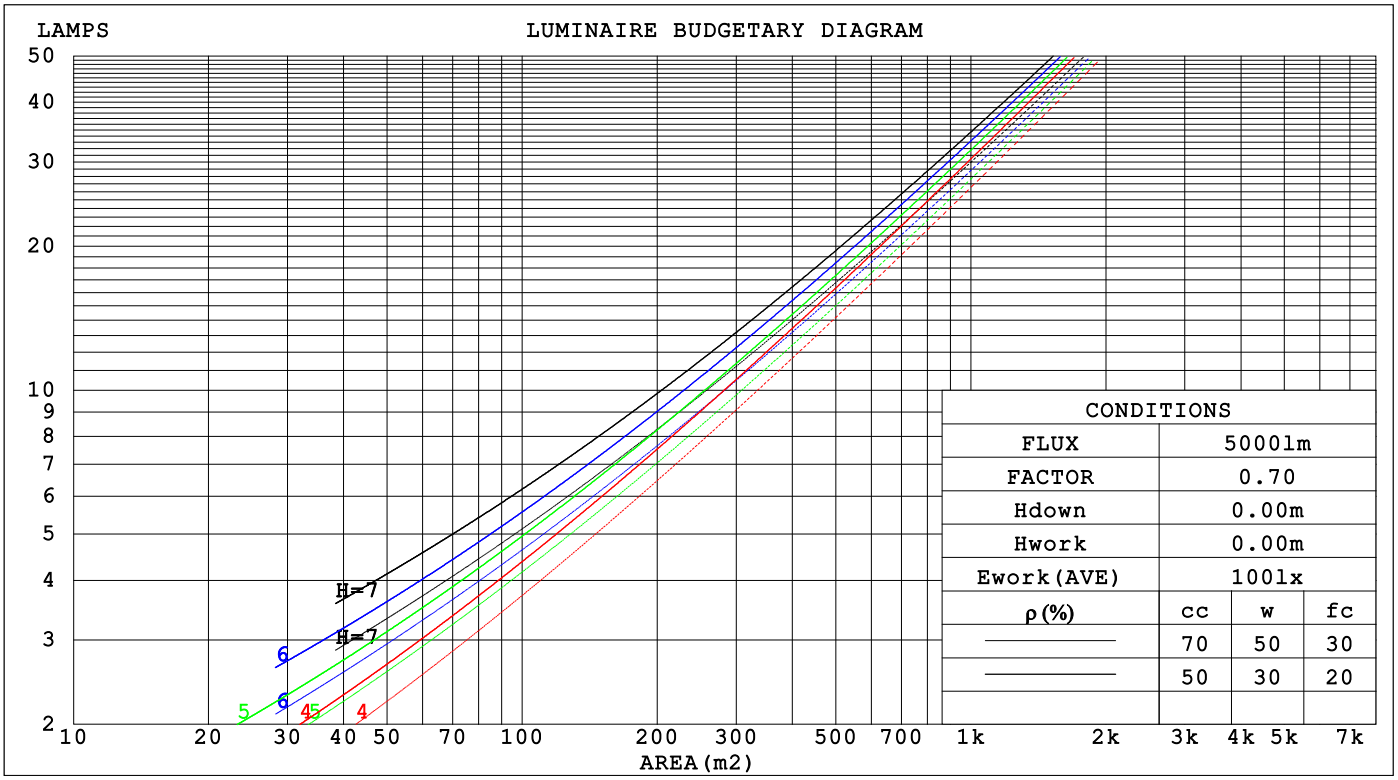
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	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	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.90	.86	.83	.87	.84	.81	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.73	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.61	.69	.64	.61	.59
5.0	.70	.62	.56	.68	.61	.55	.66	.60	.55	.64	.59	.54	.63	.58	.53	.52
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.59	.53	.48	.57	.52	.47	.46
7.0	.57	.49	.44	.56	.49	.43	.55	.48	.43	.53	.47	.43	.52	.47	.42	.41
8.0	.52	.44	.39	.52	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.34	.33
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.30



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.242	.138	.044	.235	.134	.043	.222	.127	.041	.210	.121	.039	.198	.115	.037	
2.0	.237	.130	.040	.231	.127	.039	.220	.122	.038	.209	.117	.037	.199	.113	.035	
3.0	.227	.121	.036	.222	.119	.036	.211	.115	.035	.202	.111	.034	.193	.107	.033	
4.0	.215	.112	.033	.210	.110	.033	.201	.107	.032	.193	.104	.031	.185	.101	.031	
5.0	.203	.104	.030	.199	.102	.030	.191	.100	.029	.184	.097	.029	.177	.094	.028	
6.0	.192	.096	.028	.188	.095	.027	.181	.093	.027	.174	.091	.027	.168	.089	.026	
7.0	.181	.090	.025	.178	.089	.025	.172	.087	.025	.166	.085	.025	.160	.083	.024	
8.0	.172	.084	.024	.169	.083	.023	.163	.081	.023	.157	.080	.023	.152	.078	.023	
9.0	.162	.079	.022	.160	.078	.022	.154	.076	.022	.150	.075	.021	.145	.074	.021	
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.142	.071	.020	.138	.069	.020	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.181	.163	.146	.155	.140	.125	.106	.096	.087	.061	.056	.050	.020	.018	.016	
2.0	.171	.138	.110	.146	.119	.095	.100	.082	.067	.058	.048	.039	.019	.015	.013	
3.0	.162	.120	.086	.139	.103	.075	.095	.072	.052	.055	.042	.031	.018	.014	.010	
4.0	.154	.106	.069	.132	.092	.060	.091	.064	.042	.053	.037	.025	.017	.012	.008	
5.0	.147	.095	.057	.127	.083	.050	.087	.058	.035	.051	.034	.021	.016	.011	.007	
6.0	.141	.087	.048	.121	.075	.042	.084	.053	.030	.048	.031	.018	.016	.010	.006	
7.0	.135	.080	.042	.116	.069	.036	.080	.049	.026	.047	.029	.015	.015	.009	.005	
8.0	.129	.074	.036	.111	.064	.032	.077	.045	.023	.045	.027	.013	.014	.009	.004	
9.0	.124	.069	.033	.107	.060	.028	.074	.042	.020	.043	.025	.012	.014	.008	.004	
10.0	.119	.065	.029	.102	.057	.026	.071	.040	.018	.041	.024	.011	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	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	27.1	28.6	27.5	28.9	29.2	27.5	28.9	27.9	29.3	29.6
3H	27.6	28.8	27.9	29.2	29.5	27.9	29.2	28.3	29.5	29.9
4H	27.6	28.8	28.0	29.2	29.6	28.0	29.2	28.4	29.5	29.9
6H	27.6	28.7	28.0	29.1	29.5	28.0	29.1	28.4	29.5	29.9
8H	27.6	28.6	28.0	29.0	29.4	28.0	29.0	28.4	29.4	29.8
12H	27.6	28.5	28.0	28.9	29.4	27.9	28.9	28.4	29.3	29.8
4H 2H	27.3	28.5	27.7	28.8	29.2	27.6	28.8	28.0	29.2	29.6
3H	27.8	28.7	28.2	29.2	29.6	28.1	29.1	28.6	29.5	29.9
4H	27.9	28.7	28.3	29.2	29.6	28.2	29.1	28.7	29.5	30.0
6H	27.9	28.6	28.4	29.1	29.6	28.3	29.0	28.8	29.5	30.0
8H	27.9	28.6	28.4	29.0	29.5	28.3	28.9	28.7	29.4	29.9
12H	27.9	28.5	28.4	29.0	29.5	28.2	28.8	28.7	29.3	29.8
8H 4H	27.8	28.5	28.3	29.0	29.5	28.2	28.9	28.7	29.4	29.8
6H	27.9	28.4	28.4	28.9	29.4	28.3	28.8	28.8	29.3	29.8
8H	27.8	28.4	28.4	28.9	29.4	28.2	28.7	28.8	29.3	29.8
12H	27.8	28.3	28.4	28.8	29.4	28.2	28.7	28.7	29.2	29.8
12H 4H	27.8	28.4	28.3	28.9	29.4	28.2	28.8	28.7	29.3	29.8
6H	27.8	28.3	28.4	28.8	29.4	28.2	28.7	28.8	29.2	29.8
8H	27.8	28.3	28.3	28.8	29.4	28.2	28.7	28.7	29.2	29.8
CIE190: 2010										

CIE190: 2010
Area: 0.057 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

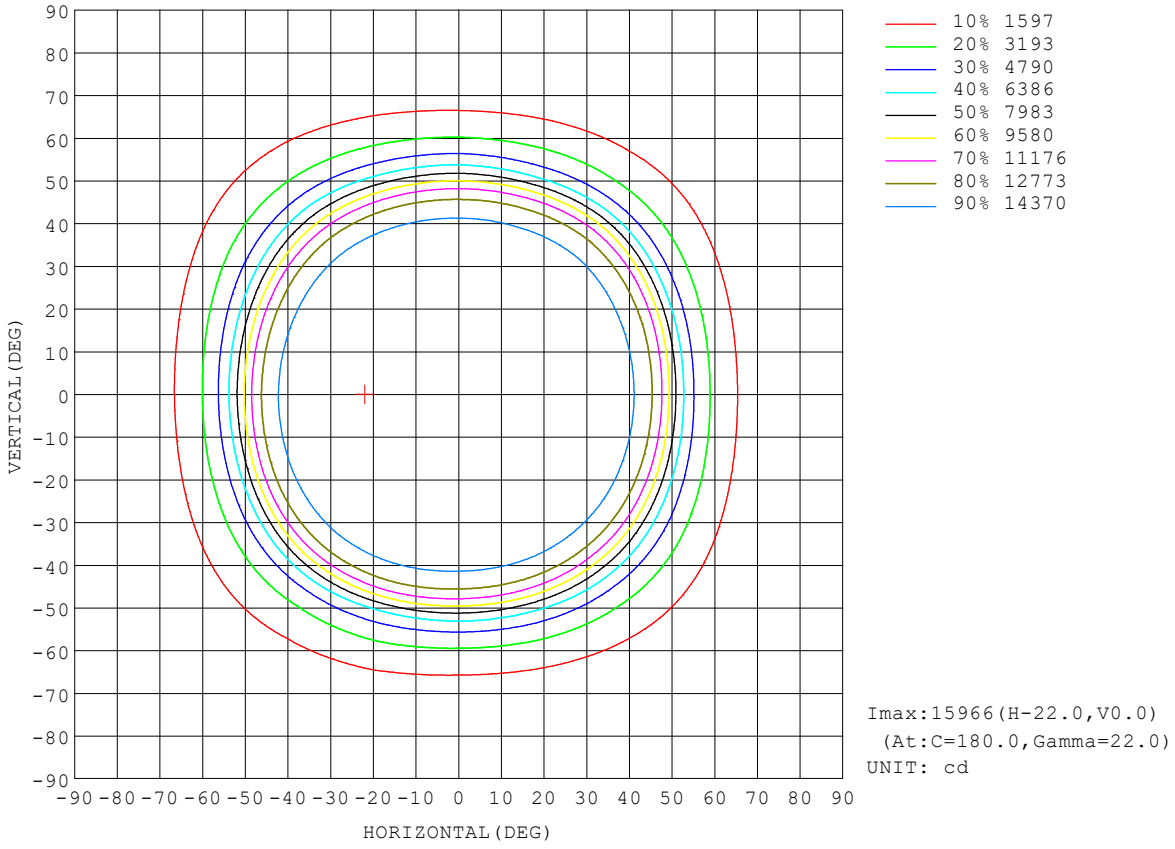
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	64	53	47	63	53	47	62	53	47	41
0.80	74	64	58	74	64	58	72	63	57	51
1.00	83	74	68	82	73	68	80	74	67	61
1.25	90	82	76	89	81	75	86	79	74	68
1.50	95	87	81	93	86	81	90	84	79	73
2.00	101	94	89	99	93	88	96	90	86	80
2.50	103	97	93	102	96	92	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	99	97	88
5.00	111	107	104	108	105	102	104	101	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

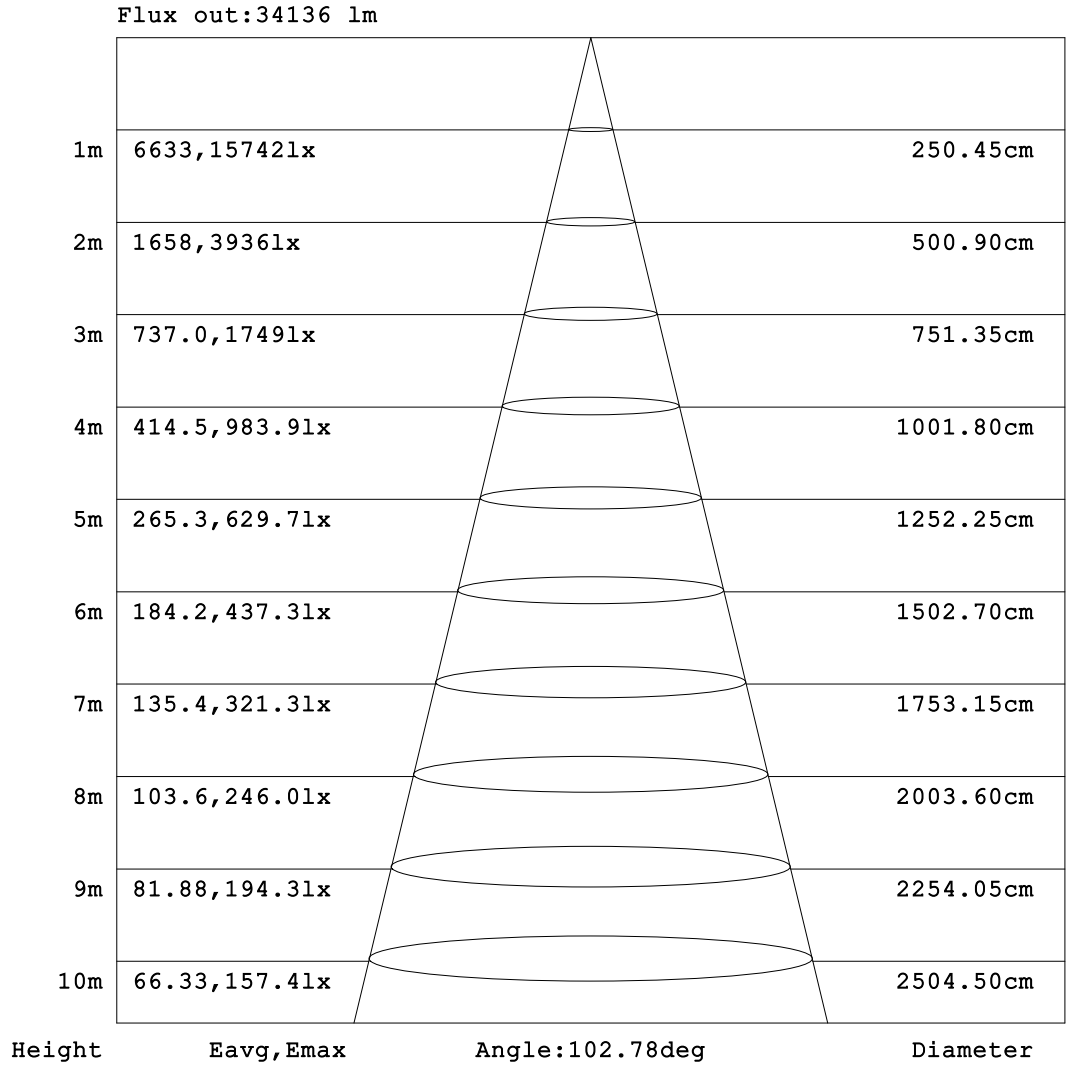


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:



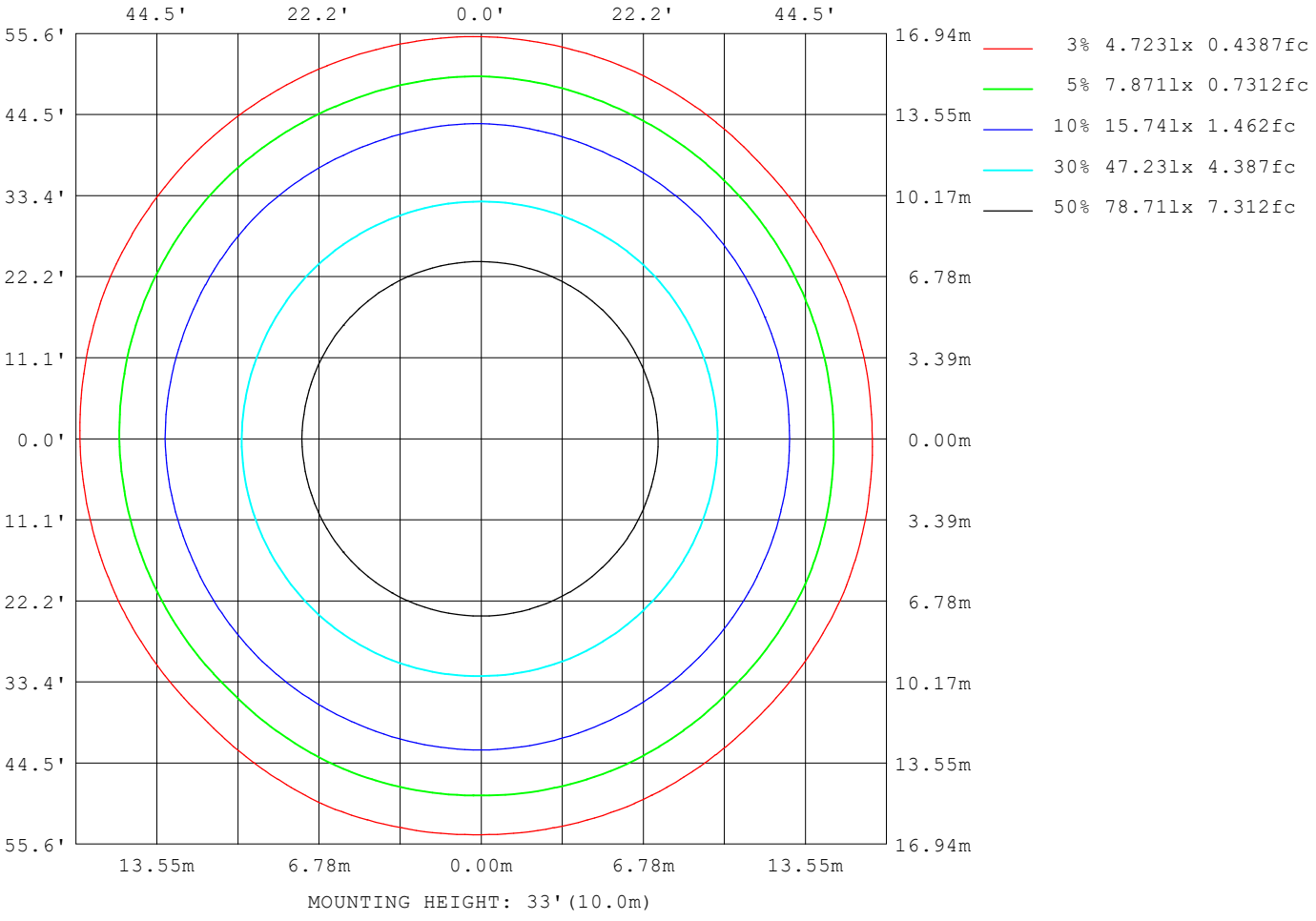
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

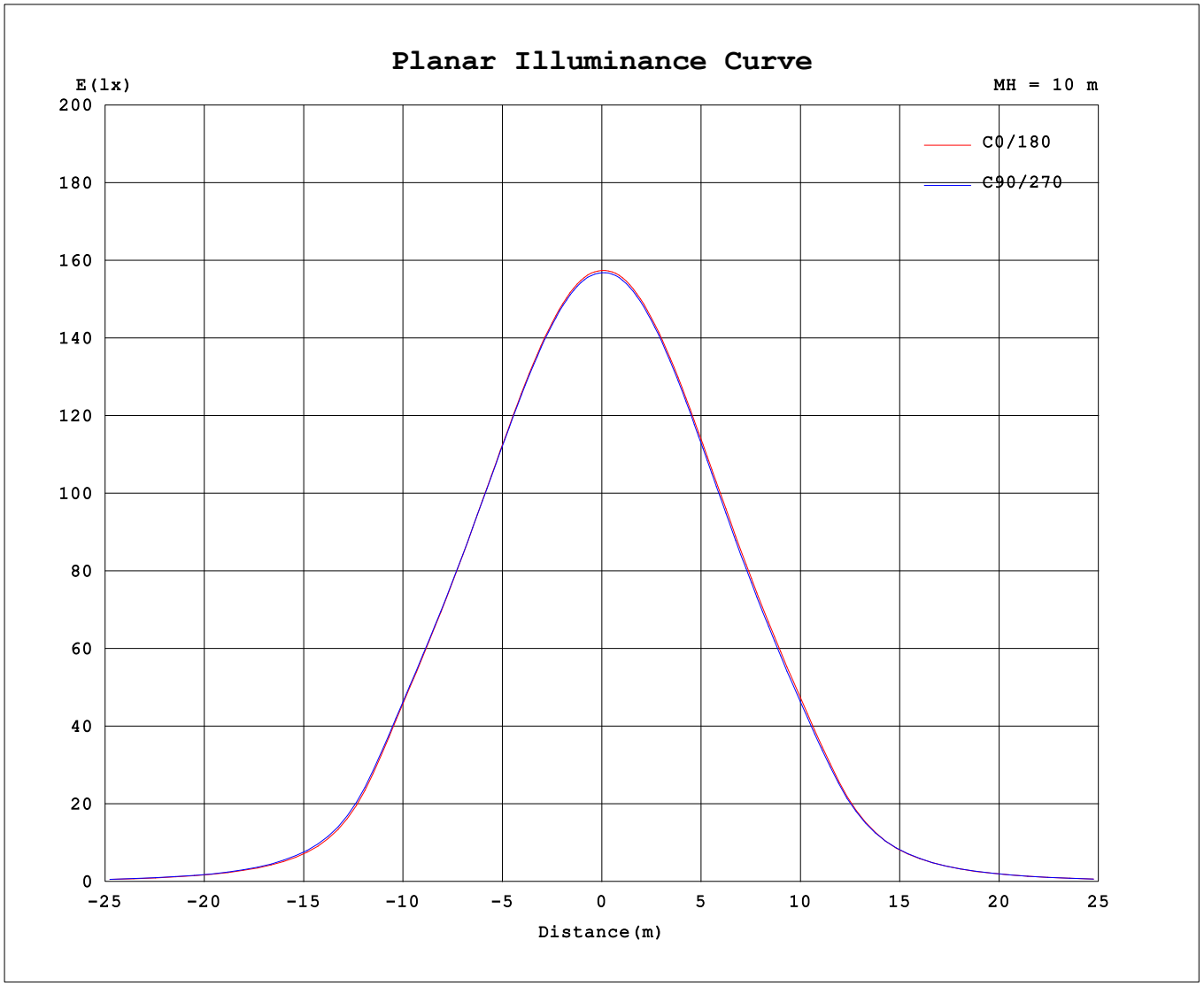
AvgL	cd/m2
L_0~180(65)av	73838
L_0~180(75)av	34459
L_0~180(85)av	15851
L_90~270(65)av	75290
L_90~270(75)av	35071
L_90~270(85)av	15712
L_45(65)av	72507
L_45(75)av	33883
L_45(85)av	15705

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.33V I:1.9564A P:234.90W PF:0.9978 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40474x1 lm		
NAME: 1000036361 UHB1220-240W-110-H2-TCP-C02 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

Table--1 UNIT: X10cd

γ (DEG) \ C(DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1574	1572	1571	1569	1568	1568	1568	1567	1574	1572	1571	1569	1568	1568	1568	1567			
5	1574	1571	1569	1568	1568	1569	1570	1571	1580	1578	1577	1575	1574	1572	1570	1568			
10	1575	1571	1569	1569	1569	1571	1573	1576	1586	1585	1584	1582	1579	1575	1572	1569			
15	1577	1573	1571	1570	1571	1574	1577	1581	1592	1592	1590	1588	1584	1580	1576	1571			
20	1578	1574	1572	1571	1573	1576	1580	1584	1596	1595	1594	1590	1586	1582	1577	1572			
25	1575	1571	1569	1569	1570	1575	1580	1583	1595	1593	1591	1587	1583	1578	1574	1568			
30	1562	1558	1557	1558	1559	1565	1570	1573	1584	1581	1579	1573	1567	1563	1561	1555			
35	1530	1528	1528	1531	1531	1537	1543	1545	1553	1548	1547	1540	1533	1529	1529	1523			
40	1462	1460	1461	1466	1468	1477	1485	1485	1488	1480	1479	1470	1464	1462	1466	1458			
45	1296	1292	1290	1304	1310	1330	1340	1342	1339	1327	1327	1315	1309	1307	1317	1304			
50	886	878	875	899	917	942	957	975	981	972	978	964	957	936	942	913			
55	485	500	495	508	515	512	514	527	556	561	572	555	556	516	500	489			
60	285	293	288	301	302	312	293	308	321	335	334	331	326	308	285	283			
65	166	169	167	173	174	182	170	178	190	199	197	197	188	180	165	163			
70	91.8	91.8	90.8	92.9	95.3	100	93.5	99.0	107	109	112	109	105	98.9	91.5	88.6			
75	46.6	46.1	45.5	46.7	48.9	50.8	48.3	51.8	55.0	56.7	58.1	56.6	54.6	50.3	48.1	45.2			
80	21.4	20.4	20.8	21.0	22.0	23.1	22.7	23.7	27.0	26.6	27.9	26.6	25.9	23.6	22.2	21.3			
85	6.57	6.24	5.95	6.25	6.57	7.13	7.35	8.09	9.18	9.41	10.0	9.37	9.04	8.10	7.87	7.05			
90	2.13	2.13	2.13	2.12	2.10	2.08	2.08	2.06	2.06	2.07	2.10	2.11	2.11	2.12	2.12	2.13			
95	2.52	2.52	2.52	2.50	2.49	2.46	2.46	2.44	2.43	2.43	2.43	2.45	2.47	2.49	2.50	2.51			
100	2.95	2.96	2.95	2.93	2.91	2.90	2.88	2.86	2.85	2.85	2.85	2.87	2.89	2.91	2.92	2.94			
105	3.41	3.40	3.41	3.38	3.36	3.36	3.35	3.31	3.33	3.30	3.31	3.32	3.34	3.37	3.39	3.40			
110	3.89	3.88	3.88	3.85	3.86	3.83	3.83	3.81	3.83	3.80	3.83	3.83	3.84	3.86	3.89	3.91			
115	4.33	4.33	4.32	4.32	4.32	4.29	4.28	4.27	4.32	4.28	4.32	4.30	4.30	4.34	4.38	4.40			
120	4.78	4.76	4.76	4.75	4.74	4.72	4.71	4.69	4.79	4.75	4.78	4.78	4.77	4.82	4.85	4.87			
125	5.16	5.16	5.16	5.15	5.13	5.11	5.10	5.08	5.23	5.21	5.22	5.23	5.24	5.27	5.29	5.30			
130	5.53	5.53	5.54	5.52	5.50	5.48	5.46	5.45	5.65	5.63	5.64	5.65	5.66	5.68	5.69	5.70			
135	5.89	5.89	5.89	5.88	5.86	5.83	5.81	5.80	6.04	6.02	6.03	6.03	6.04	6.06	6.08	6.09			
140	6.23	6.24	6.23	6.22	6.19	6.17	6.15	6.13	6.38	6.37	6.37	6.38	6.39	6.41	6.42	6.43			
145	6.57	6.58	6.58	6.56	6.53	6.50	6.48	6.47	6.71	6.70	6.70	6.71	6.72	6.74	6.74	6.75			
150	6.98	6.98	6.98	6.96	6.94	6.90	6.88	6.87	7.07	7.07	7.07	7.08	7.09	7.11	7.11	7.12			
155	7.48	7.47	7.47	7.44	7.43	7.39	7.38	7.36	7.52	7.51	7.51	7.52	7.53	7.55	7.55	7.56			
160	8.01	8.00	8.00	7.97	7.95	7.92	7.91	7.89	8.00	7.99	7.98	8.00	8.01	8.03	8.03	8.04			
165	8.53	8.52	8.51	8.48	8.46	8.44	8.43	8.41	8.48	8.46	8.46	8.47	8.47	8.49	8.50	8.50			
170	8.96	8.95	8.93	8.92	8.90	8.88	8.87	8.86	8.89	8.86	8.86	8.87	8.88	8.89	8.89	8.89			
175	9.22	9.21	9.19	9.18	9.16	9.16	9.15	9.15	9.18	9.14	9.14	9.14	9.15	9.15	9.16	9.15			
180	9.27	9.26	9.24	9.24	9.24	9.24	9.24	9.24	9.28	9.25	9.25	9.24	9.24	9.24	9.24	9.23			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	15742	15721	15705	15694	15683	15678	15676	15671	15742	15721
3.0	15738	15711	15692	15682	15678	15681	15687	15692	15771	15756
6.0	15743	15711	15690	15683	15683	15694	15708	15720	15809	15798
9.0	15745	15711	15690	15683	15687	15704	15725	15746	15845	15837
12.0	15756	15719	15698	15692	15697	15719	15748	15776	15884	15879
15.0	15771	15732	15711	15704	15713	15739	15775	15807	15923	15917
18.0	15782	15740	15718	15713	15724	15757	15796	15831	15952	15945
21.0	15779	15738	15715	15713	15725	15764	15806	15843	15965	15956
24.0	15759	15719	15698	15698	15711	15754	15801	15838	15960	15944
27.0	15712	15674	15657	15660	15674	15722	15772	15806	15924	15899
30.0	15618	15584	15572	15583	15594	15649	15702	15731	15840	15806
33.0	15454	15428	15425	15442	15452	15511	15566	15590	15687	15643
36.0	15198	15182	15189	15217	15225	15289	15349	15362	15439	15382
39.0	14796	14780	14790	14835	14852	14935	15003	15008	15055	14982
42.0	14133	14112	14116	14191	14225	14353	14433	14430	14442	14342
45.0	12962	12918	12904	13035	13097	13300	13399	13415	13395	13271
48.0	10862	10777	10715	10952	11088	11401	11540	11631	11591	11469
51.0	7877	7826	7841	8028	8212	8336	8487	8646	8833	8727
54.0	5470	5559	5558	5635	5781	5686	5775	5875	6256	6231
57.0	3917	4065	3993	4154	4183	4245	4082	4235	4458	4583
60.0	2852	2933	2882	3008	3019	3118	2927	3079	3215	3351
63.0	2069	2123	2086	2174	2183	2264	2129	2232	2346	2461
66.0	1481	1504	1490	1538	1551	1627	1514	1587	1705	1763
69.0	1040	1044	1034	1060	1082	1140	1058	1117	1206	1235
72.0	709.1	699.9	696.3	710.7	733.4	773.3	725.1	770.1	824.8	839.5
75.0	466.5	461.2	454.6	466.8	488.9	508.0	482.7	518.2	550.3	567.1
78.0	299.4	295.0	292.0	296.6	313.6	321.0	310.1	333.6	359.8	370.1
81.0	174.6	169.0	170.2	173.2	179.0	188.3	186.4	202.3	225.4	224.0
84.0	87.56	84.30	81.92	84.74	89.20	94.40	95.50	105.2	116.9	118.6
87.0	27.63	26.44	25.13	25.72	26.69	30.31	32.96	39.45	48.71	51.17
90.0	21.29	21.31	21.35	21.17	21.03	20.83	20.76	20.64	20.62	20.73
93.0	23.56	23.58	23.61	23.43	23.28	23.05	22.99	22.83	22.74	22.73
96.0	26.02	26.03	26.07	25.86	25.71	25.47	25.38	25.20	25.12	25.09
99.0	28.58	28.61	28.63	28.42	28.25	28.03	27.92	27.72	27.63	27.62
102.0	31.34	31.33	31.33	31.04	30.88	30.91	30.63	30.35	30.46	30.26
105.0	34.10	34.03	34.15	33.77	33.63	33.63	33.47	33.12	33.30	33.02
108.0	37.13	36.91	37.07	36.62	36.64	36.48	36.41	36.29	36.31	36.02
111.0	39.76	39.65	39.71	39.50	39.59	39.21	39.21	39.06	39.28	38.95
114.0	42.48	42.44	42.36	42.31	42.32	41.98	41.92	41.79	42.21	41.82
117.0	45.14	45.12	45.02	44.98	44.94	44.59	44.51	44.41	45.07	44.65
120.0	47.77	47.65	47.62	47.52	47.45	47.15	47.08	46.90	47.89	47.51
123.0	50.14	50.06	50.08	49.96	49.84	49.59	49.53	49.26	50.62	50.31
126.0	52.39	52.38	52.39	52.26	52.09	51.85	51.77	51.53	53.19	52.98
129.0	54.59	54.59	54.62	54.50	54.29	54.05	53.92	53.72	55.65	55.51
132.0	56.77	56.80	56.82	56.70	56.48	56.21	56.08	55.89	58.04	57.90
135.0	58.86	58.94	58.93	58.84	58.59	58.32	58.15	57.97	60.36	60.23
138.0	60.92	61.00	60.98	60.86	60.60	60.37	60.18	60.00	62.48	62.36
141.0	62.94	63.03	63.00	62.86	62.62	62.34	62.15	62.00	64.44	64.33
144.0	64.98	65.08	65.03	64.91	64.64	64.33	64.14	63.99	66.41	66.33
147.0	67.24	67.29	67.27	67.10	66.86	66.51	66.29	66.14	68.43	68.38
150.0	69.83	69.84	69.83	69.61	69.38	69.01	68.83	68.66	70.73	70.66
153.0	72.70	72.69	72.66	72.42	72.22	71.84	71.71	71.50	73.33	73.24
156.0	75.83	75.78	75.76	75.49	75.30	74.94	74.83	74.62	76.12	76.03
159.0	79.02	78.97	78.90	78.64	78.46	78.12	78.04	77.83	79.02	78.89
162.0	82.20	82.14	82.06	81.80	81.60	81.31	81.22	81.03	81.95	81.78
165.0	85.25	85.16	85.06	84.81	84.63	84.36	84.29	84.14	84.79	84.60
168.0	87.98	87.90	87.75	87.55	87.37	87.15	87.08	86.93	87.38	87.14
171.0	90.31	90.24	90.05	89.88	89.72	89.58	89.48	89.38	89.63	89.34
174.0	91.87	91.79	91.55	91.48	91.30	91.28	91.15	91.14	91.36	91.04
177.0	92.54	92.50	92.25	92.26	92.09	92.16	92.03	92.06	92.45	92.04
180.0	92.75	92.62	92.44	92.44	92.37	92.40	92.37	92.37	92.85	92.49

G/C	225.0	247.5	270.0	292.5	315.0	337.5
0.0	15705	15694	15683	15678	15676	15671
3.0	15741	15728	15714	15701	15688	15676
6.0	15783	15767	15746	15725	15705	15684
9.0	15825	15806	15777	15746	15716	15688
12.0	15867	15844	15811	15773	15735	15699
15.0	15904	15877	15841	15798	15757	15713
18.0	15931	15899	15860	15814	15769	15722
21.0	15940	15904	15861	15814	15769	15717
24.0	15926	15885	15840	15793	15750	15694
27.0	15879	15830	15782	15739	15703	15642
30.0	15786	15726	15673	15632	15607	15546

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

Photometric Data Table [cd]

33.0	15626	15557	15496	15454	15443	15380
36.0	15371	15297	15231	15188	15199	15132
39.0	14971	14885	14825	14790	14830	14750
42.0	14331	14229	14173	14153	14226	14130
45.0	13269	13154	13088	13072	13170	13044
48.0	11494	11360	11299	11217	11323	11113
51.0	8834	8696	8634	8351	8362	8028
54.0	6396	6169	6208	5736	5642	5479
57.0	4622	4518	4502	4242	3970	3955
60.0	3340	3313	3259	3082	2853	2827
63.0	2435	2436	2351	2240	2057	2049
66.0	1770	1754	1684	1608	1469	1454
69.0	1261	1227	1184	1122	1033	1004
72.0	866.7	840.6	811.6	756.8	717.1	676.9
75.0	581.4	566.3	545.9	503.3	480.8	452.0
78.0	383.9	372.0	358.7	325.4	311.8	295.6
81.0	234.3	227.0	221.3	199.0	189.6	175.5
84.0	127.5	118.5	115.1	102.7	100.7	91.23
87.0	54.78	51.92	49.78	42.80	39.65	32.69
90.0	21.00	21.07	21.08	21.15	21.18	21.27
93.0	22.74	22.96	23.11	23.31	23.37	23.49
96.0	25.09	25.34	25.47	25.70	25.77	25.92
99.0	27.60	27.85	27.99	28.23	28.30	28.47
102.0	30.25	30.49	30.60	30.99	30.99	31.16
105.0	33.08	33.24	33.39	33.74	33.88	34.01
108.0	36.25	36.42	36.45	36.61	36.97	37.12
111.0	39.31	39.29	39.34	39.50	39.91	40.04
114.0	42.22	42.11	42.09	42.43	42.83	43.02
117.0	44.99	44.93	44.86	45.32	45.69	45.88
120.0	47.77	47.77	47.73	48.20	48.49	48.67
123.0	50.50	50.54	50.54	50.93	51.17	51.30
126.0	53.09	53.18	53.24	53.51	53.69	53.83
129.0	55.56	55.69	55.73	55.99	56.14	56.29
132.0	57.95	58.05	58.14	58.34	58.49	58.63
135.0	60.25	60.32	60.43	60.61	60.75	60.86
138.0	62.39	62.46	62.58	62.74	62.86	62.96
141.0	64.37	64.48	64.58	64.71	64.81	64.90
144.0	66.39	66.46	66.58	66.70	66.78	66.85
147.0	68.41	68.52	68.62	68.77	68.81	68.90
150.0	70.69	70.82	70.90	71.09	71.11	71.20
153.0	73.26	73.39	73.50	73.68	73.70	73.79
156.0	76.02	76.19	76.25	76.46	76.45	76.58
159.0	78.87	79.04	79.09	79.29	79.30	79.38
162.0	81.75	81.90	81.97	82.14	82.18	82.26
165.0	84.55	84.69	84.74	84.91	84.95	85.04
168.0	87.09	87.20	87.27	87.43	87.45	87.50
171.0	89.30	89.38	89.47	89.58	89.60	89.61
174.0	91.05	91.03	91.17	91.14	91.21	91.17
177.0	92.05	92.00	92.12	92.06	92.14	92.04
180.0	92.46	92.38	92.40	92.38	92.39	92.33

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-03-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks: