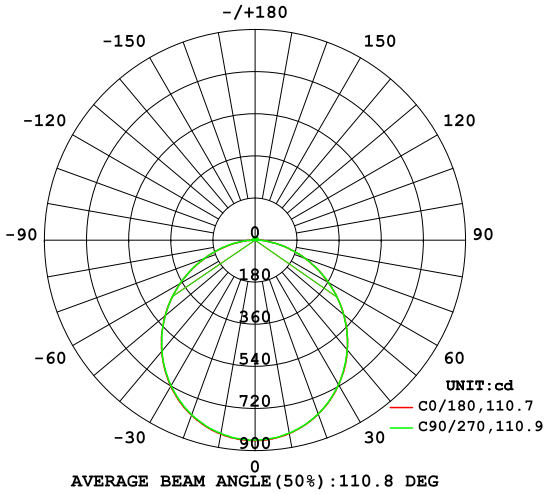
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

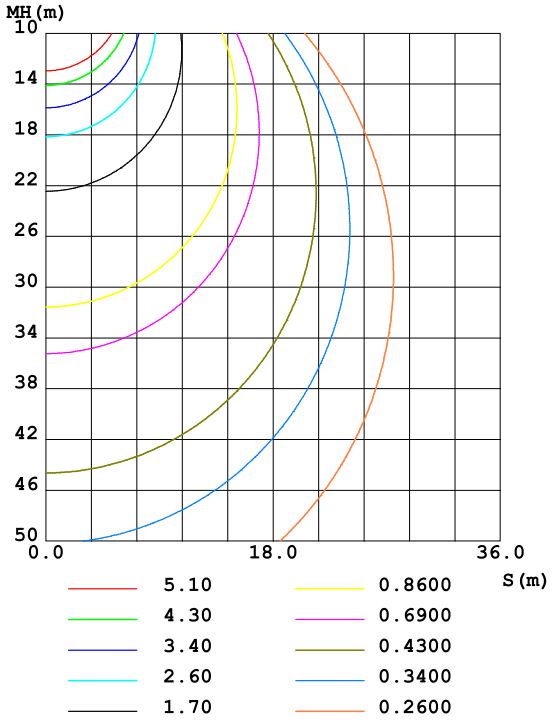
DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.20 lm/W			
MODEL	2700K	Imax(cd)	856.8	S/MH(C0/180)	1.25
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2473.6	η UP,DN(C0-180)	1.2,48.5
NOMINAL FLUX(lm)	2473.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,49.2
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):110.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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	839.3	837.8	841.8	839.3					0- 10	80.92	80.92	3.27,3.27
20	790.7	790.0	796.0	793.9					10- 20	231.4	312.3	12.6,12.6
30	713.8	713.2	721.2	718.8					20- 30	349.3	661.5	26.7,26.7
40	613.5	612.5	621.8	619.7					30- 40	418.7	1080	43.7,43.7
50	494.3	493.9	502.7	501.7					40- 50	431.5	1512	61.1,61.1
60	361.9	362.6	369.4	369.7					50- 60	387.2	1899	76.8,76.8
70	225.8	226.3	230.8	232.5					60- 70	294.4	2193	88.7,88.7
80	98.59	98.27	99.99	102.0					70- 80	171.7	2365	95.6,95.6
90	7.756	7.149	7.728	7.930					80- 90	50.81	2416	97.7,97.7
100	7.516	7.582	7.390	7.427					90-100	7.882	2424	98,98
110	8.431	8.511	8.039	8.135					100-110	8.323	2432	98.3,98.3
120	9.260	9.336	8.815	9.065					110-120	8.670	2441	98.7,98.7
130	9.979	10.06	9.509	9.470					120-130	8.452	2449	99,99
140	10.57	10.72	10.18	10.14					130-140	7.797	2457	99.3,99.3
150	11.21	11.35	10.91	10.64					140-150	6.727	2464	99.6,99.6
160	11.91	12.04	11.73	11.76					150-160	5.298	2469	99.8,99.8
170	12.53	12.62	12.44	12.48					160-170	3.453	2472	100,100
180	12.81	12.83	12.86	12.83					170-180	1.207	2474	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1298.1 lm

%lum = 52.5%
%lamp = 52.5%

Conical surface Flux(120deg): 1898.9 lm

%lum = 76.8%
%lamp = 76.8%

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

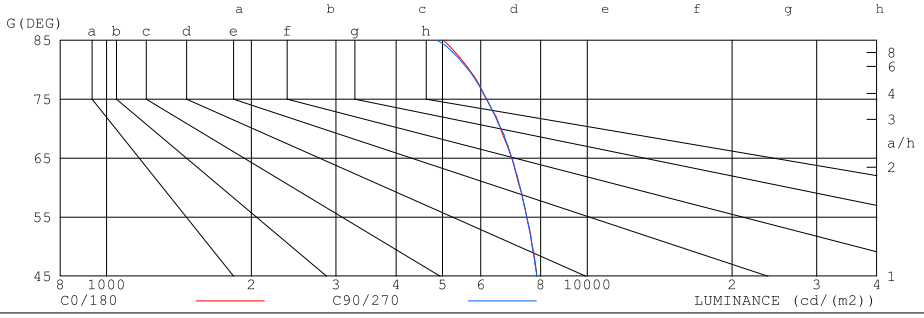
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	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	5014	4868
80	5678	5659
75	6166	6180
70	6602	6615
65	6961	6968
60	7239	7252
55	7481	7484
50	7690	7684
45	7861	7852

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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:

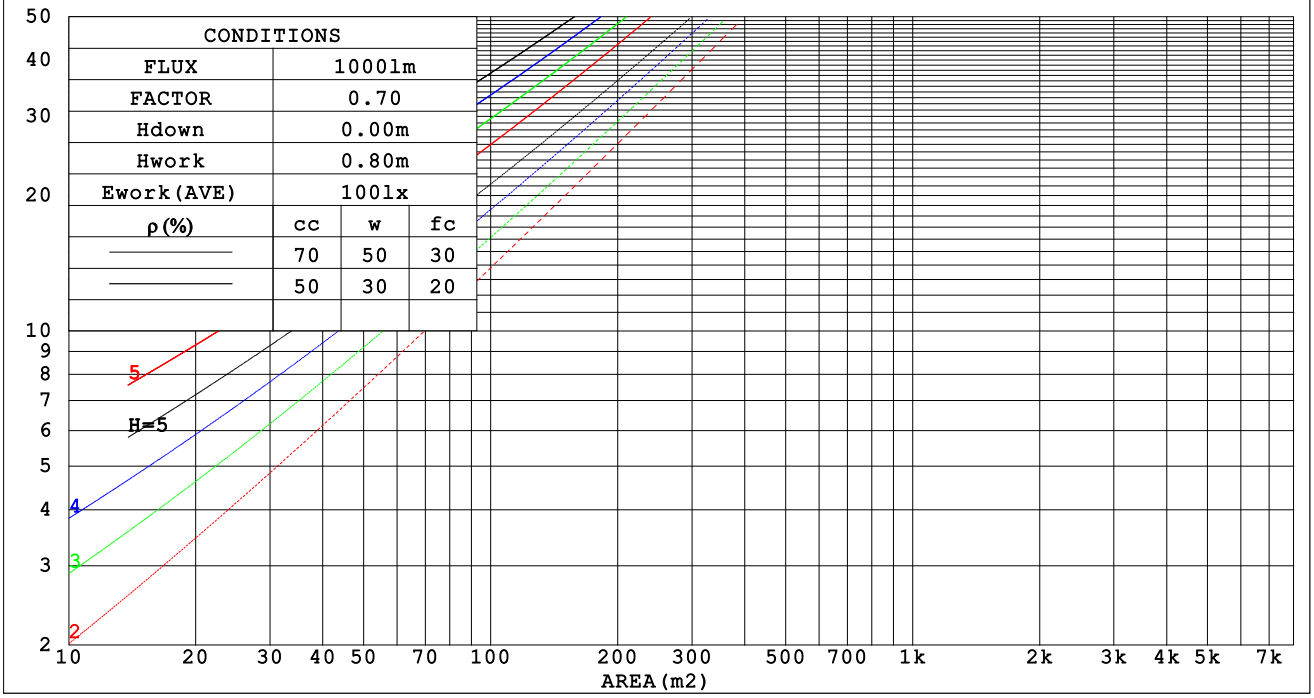
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.32
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.36	.30	.26	.35	.30	.25	.24

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.311	.177	.056	.303	.173	.055	.288	.165	.053	.275	.159	.051	.263	.152	.049	
2.0	.291	.160	.049	.284	.157	.048	.272	.151	.047	.260	.146	.046	.249	.141	.044	
3.0	.269	.143	.043	.263	.141	.042	.252	.136	.041	.241	.132	.041	.231	.128	.040	
4.0	.248	.129	.038	.243	.127	.038	.233	.123	.037	.223	.120	.036	.214	.116	.035	
5.0	.229	.117	.034	.225	.115	.034	.215	.112	.033	.207	.109	.032	.199	.106	.032	
6.0	.213	.107	.031	.208	.105	.030	.200	.103	.030	.193	.100	.029	.185	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.094	.027	.180	.092	.027	.173	.090	.026	
8.0	.185	.090	.025	.181	.089	.025	.175	.087	.025	.169	.085	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.079	.023	.153	.078	.022	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

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	.208	.208	.208	.178	.178	.178	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.198	.174	.152	.170	.149	.131	.116	.103	.091	.067	.059	.053	.021	.019	.017	
2.0	.190	.150	.116	.163	.129	.100	.112	.089	.070	.064	.052	.041	.021	.017	.013	
3.0	.183	.132	.093	.156	.114	.080	.107	.079	.056	.062	.046	.033	.020	.015	.011	
4.0	.175	.119	.077	.150	.103	.067	.103	.072	.047	.060	.042	.028	.019	.014	.009	
5.0	.167	.109	.066	.144	.094	.057	.099	.066	.040	.057	.039	.024	.018	.013	.008	
6.0	.160	.101	.058	.138	.087	.050	.095	.061	.036	.055	.036	.021	.018	.012	.007	
7.0	.154	.094	.052	.132	.081	.045	.091	.057	.032	.053	.034	.019	.017	.011	.006	
8.0	.147	.088	.047	.127	.076	.041	.088	.054	.029	.051	.032	.017	.016	.010	.006	
9.0	.141	.083	.044	.121	.072	.038	.084	.051	.027	.049	.030	.016	.016	.010	.005	
10.0	.135	.079	.041	.117	.068	.036	.081	.048	.025	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	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	16.5	18.0	16.8	18.3	18.5	16.5	18.0	16.8	18.3	18.5
3H	18.0	19.4	18.4	19.7	20.0	18.0	19.4	18.4	19.7	20.0
4H	18.6	19.9	19.0	20.2	20.5	18.6	19.9	19.0	20.2	20.5
6H	19.1	20.3	19.5	20.6	21.0	19.1	20.3	19.5	20.6	21.0
8H	19.2	20.4	19.6	20.7	21.1	19.2	20.4	19.6	20.7	21.1
12H	19.3	20.5	19.7	20.8	21.2	19.3	20.5	19.7	20.8	21.1
4H 2H	17.1	18.4	17.5	18.7	19.0	17.1	18.4	17.5	18.7	19.0
3H	18.8	20.0	19.2	20.3	20.6	18.8	20.0	19.2	20.3	20.6
4H	19.5	20.6	20.0	20.9	21.3	19.5	20.6	20.0	20.9	21.3
6H	20.1	21.0	20.6	21.4	21.9	20.1	21.0	20.6	21.4	21.9
8H	20.3	21.2	20.8	21.6	22.0	20.3	21.2	20.8	21.6	22.0
12H	20.5	21.3	20.9	21.7	22.1	20.5	21.2	20.9	21.7	22.1
8H 4H	19.8	20.7	20.3	21.1	21.5	19.8	20.7	20.3	21.1	21.5
6H	20.5	21.3	21.0	21.7	22.2	20.5	21.3	21.0	21.7	22.2
8H	20.8	21.5	21.3	21.9	22.4	20.8	21.5	21.3	21.9	22.4
12H	21.1	21.6	21.6	22.1	22.6	21.0	21.6	21.6	22.1	22.6
12H 4H	19.8	20.6	20.3	21.0	21.5	19.8	20.6	20.3	21.0	21.5
6H	20.6	21.2	21.1	21.7	22.2	20.6	21.2	21.1	21.7	22.2
8H	20.9	21.5	21.4	22.0	22.5	20.9	21.5	21.4	22.0	22.5

Variations with the observer position at spacings(CIE Pub.117):

S = 1.0H	+ 0.2 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.2 / - 0.3

CIE Pub.117, 2474 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.1)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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:

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

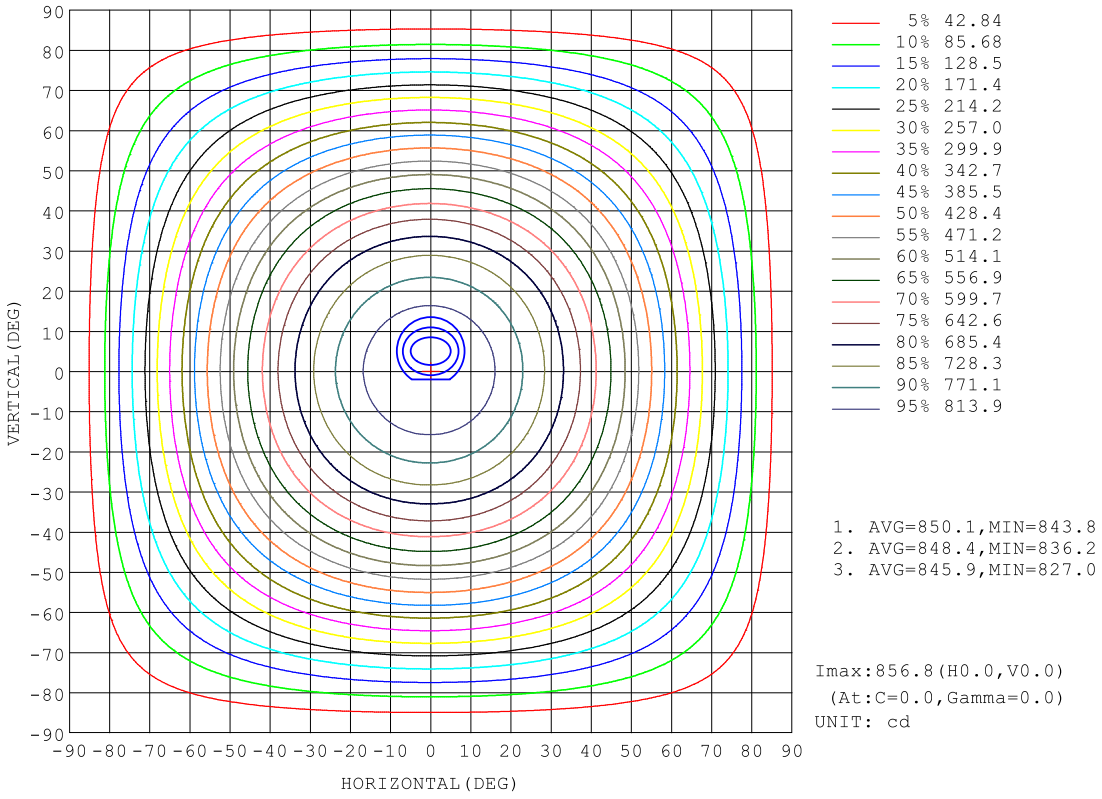
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	71	65	56	48
1.25	82	72	65	81	71	64	78	69	63	56
1.50	87	77	70	85	76	70	82	74	68	61
2.00	94	86	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	97	94	84
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℃
Operators:DAMIN
Test Date:17 June 2026

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:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



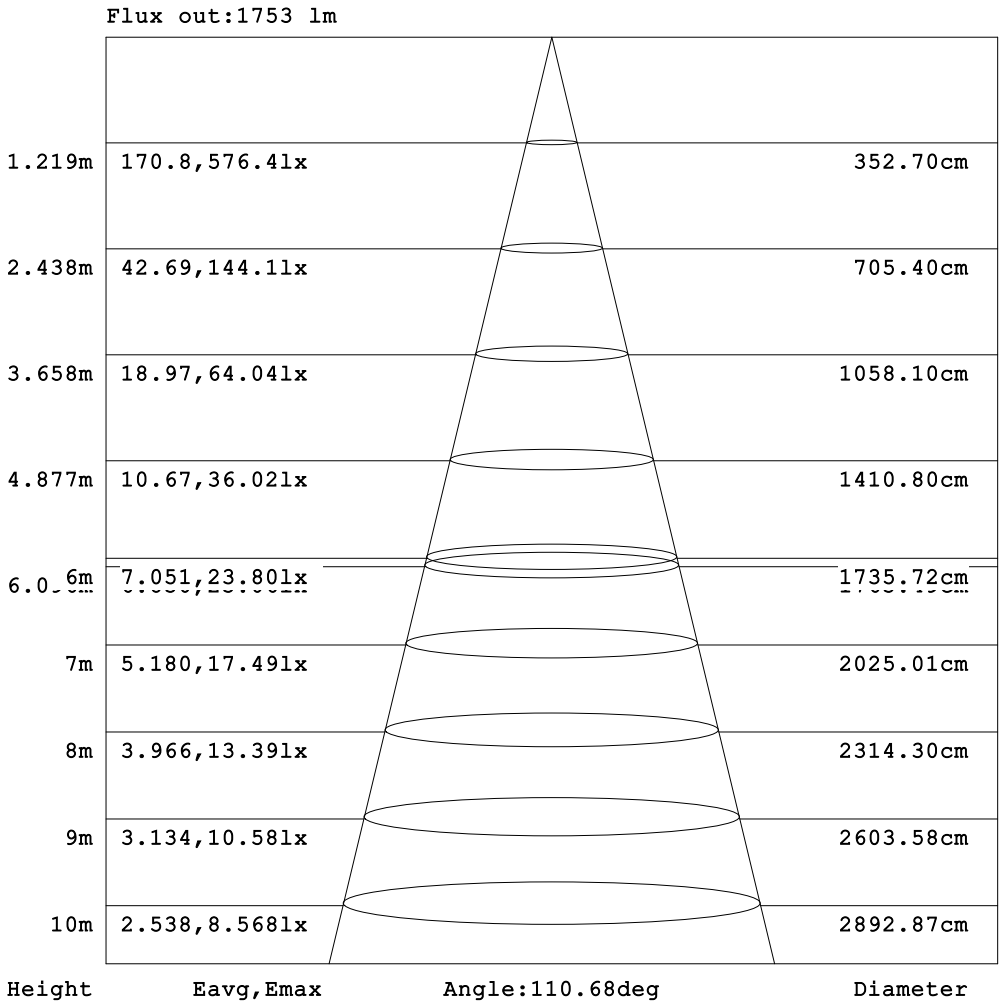
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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:

D:\测试数据\3-样品测试\LT\2026年\LT26218\FM16-438-WH 32W 27K.GOS

AAI Figure

Test:U:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



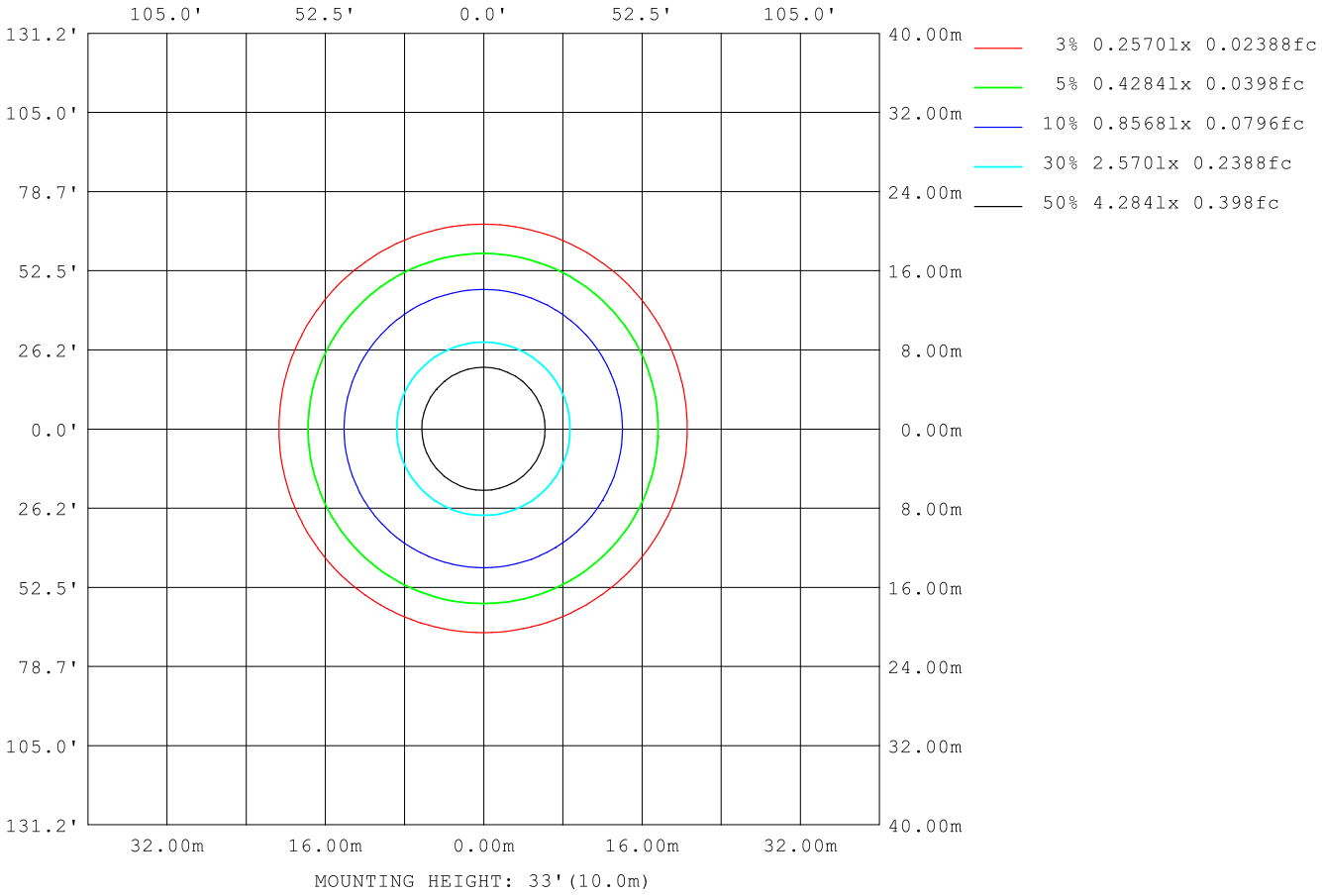
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	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℃
Operators:DAMIN
Test Date:17 June 2026

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:

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LED Avg.L Report

Test:U:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

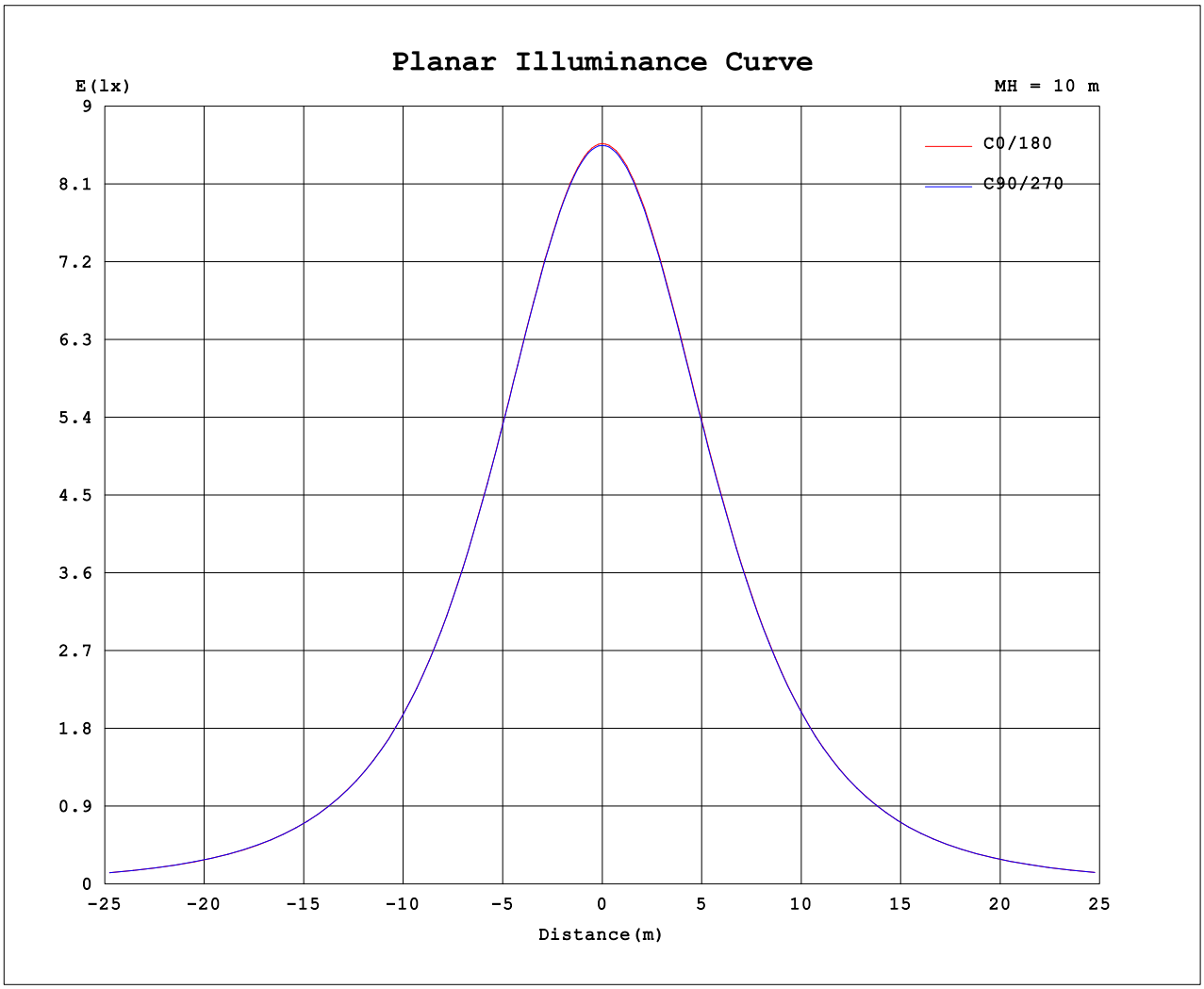
AvgL	cd/m2
L_0~180(65)av	7033
L_0~180(75)av	6235
L_0~180(85)av	5024
L_90~270(65)av	7046
L_90~270(75)av	6289
L_90~270(85)av	5048
L_45(65)av	7046
L_45(75)av	6273
L_45(85)av	5039

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

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℃
Operators:DAMIN
Test Date:17 June 2026

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:120.10V I:0.2781A P:31.234W PF:0.9353 Freq:59.98Hz Lamp Flux:2473.6x1 lm		
NAME: 57599WTWT 32W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0	857	855	857	855
5	852	850	854	851
10	839	838	842	839
15	819	818	823	821
20	791	790	796	794
25	756	755	762	759
30	714	713	721	719
35	666	666	674	672
40	614	612	622	620
45	556	555	564	563
50	494	494	503	502
55	429	429	437	437
60	362	363	369	370
65	294	294	300	301
70	226	226	231	232
75	160	160	163	166
80	98.6	98.3	100.0	102
85	43.7	42.4	43.9	45.6
90	7.76	7.15	7.73	7.93
95	7.14	7.14	7.15	7.12
100	7.52	7.58	7.39	7.43
105	7.98	8.04	7.69	7.76
110	8.43	8.51	8.04	8.14
115	8.86	8.95	8.44	8.89
120	9.26	9.34	8.81	9.07
125	9.63	9.70	9.16	9.21
130	9.98	10.1	9.51	9.47
135	10.3	10.4	9.85	9.80
140	10.6	10.7	10.2	10.1
145	10.9	11.0	10.5	10.5
150	11.2	11.3	10.9	10.6
155	11.5	11.7	11.3	11.4
160	11.9	12.0	11.7	11.8
165	12.3	12.4	12.1	12.2
170	12.5	12.6	12.4	12.5
175	12.7	12.8	12.7	12.7
180	12.8	12.8	12.9	12.8

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:17 June 2026

γ Range: 0 - 180DEG
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