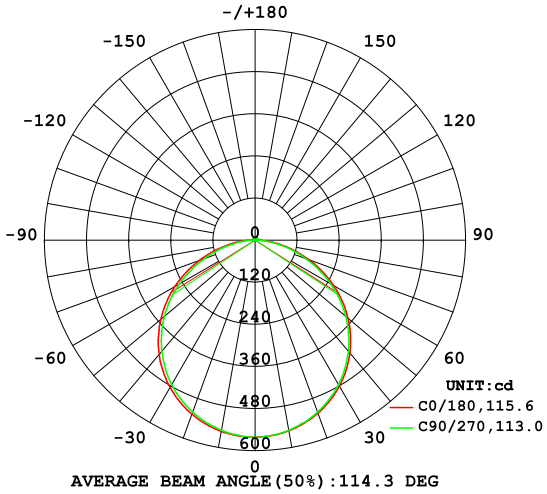
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

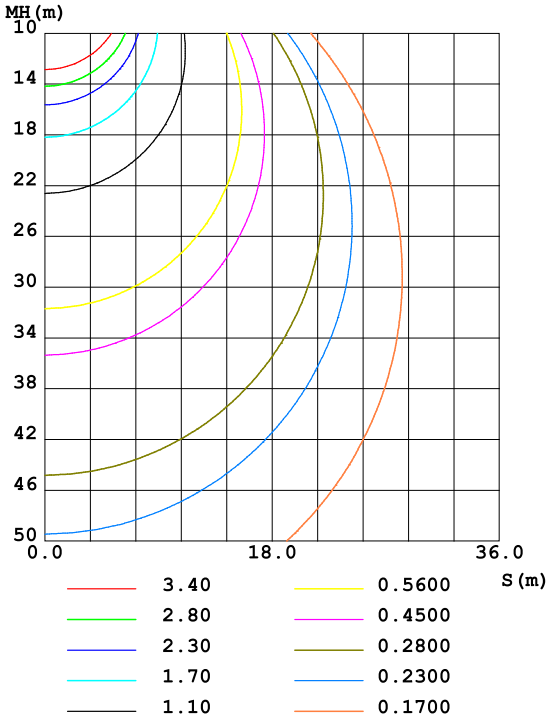
DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.12 lm/W			
MODEL	2700K	Imax(cd)	561.9	S/MH(C0/180)	1.28
NOMINAL POWER(W)	26	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1681.3	η UP,DN(C0-180)	1.1,48.7
NOMINAL FLUX(lm)	1681.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,49.1
LAMPS INSIDE	1	η up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):114.3 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	551.7	550.5	553.6	550.5					0- 10	53.11	53.11	3.16,3.16
20	524.7	521.7	527.7	521.7					10- 20	152.4	205.5	12.2,12.2
30	480.5	475.6	484.4	475.6					20- 30	232.1	437.6	26,26
40	420.3	413.7	425.3	413.7					30- 40	281.9	719.5	42.8,42.8
50	345.3	337.2	350.6	337.2					40- 50	294.7	1014	60.3,60.3
60	257.9	249.1	263.8	249.1					50- 60	268.0	1282	76.3,76.3
70	163.6	153.7	169.3	153.7					60- 70	205.3	1488	88.5,88.5
80	72.54	64.84	77.74	64.84					70- 80	120.2	1608	95.6,95.6
90	4.340	4.308	6.451	4.308					80- 90	36.36	1644	97.8,97.8
100	4.714	4.814	4.739	4.814					90-100	4.953	1649	98.1,98.1
110	5.269	5.382	5.299	5.382					100-110	5.343	1654	98.4,98.4
120	5.814	5.920	5.841	5.920					110-120	5.563	1660	98.7,98.7
130	6.285	6.381	6.306	6.381					120-130	5.476	1665	99.1,99.1
140	6.711	6.793	6.725	6.793					130-140	5.067	1671	99.4,99.4
150	7.127	7.187	7.133	7.187					140-150	4.366	1675	99.6,99.6
160	7.616	7.654	7.612	7.654					150-160	3.417	1678	99.8,99.8
170	7.998	8.037	7.998	8.037					160-170	2.218	1681	100,100
180	8.161	8.178	8.191	8.178					170-180	0.7723	1681	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 867.72 lm

%lum = 51.6%
%lamp = 51.6%

Conical surface Flux(130deg): 1394.6 lm

%lum = 82.9%
%lamp = 82.9%

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

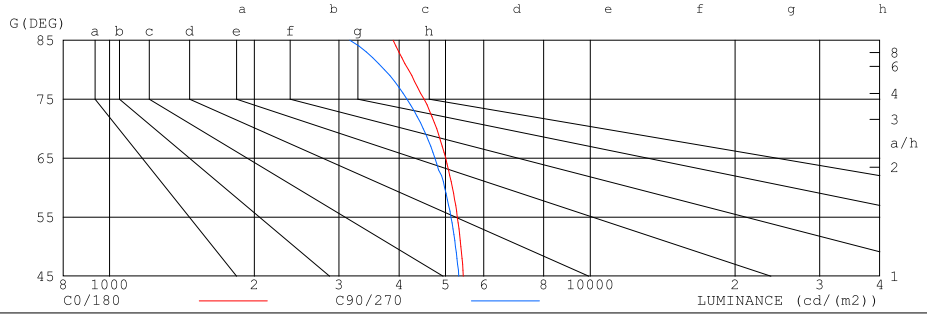
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	3888	3157
80	4183	3732
75	4509	4157
70	4789	4492
65	5004	4751
60	5165	4979
55	5289	5128
50	5379	5242
45	5444	5327

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

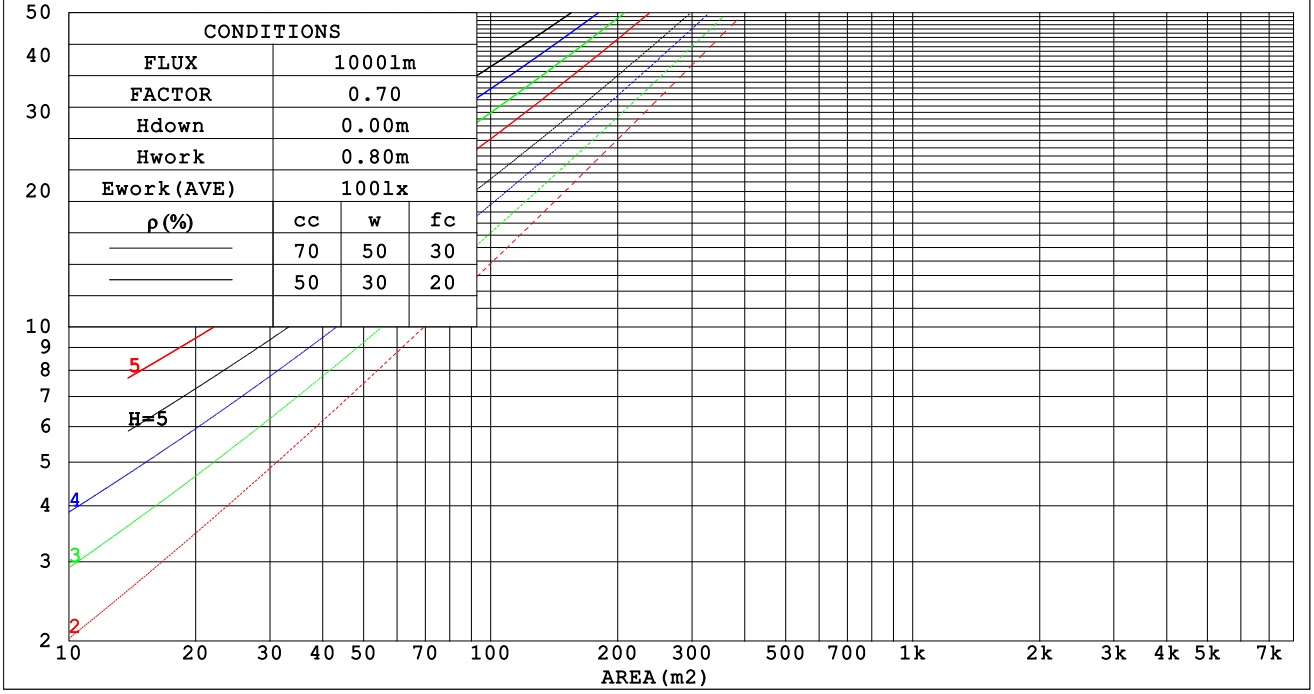
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.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	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.73	.67	.62	.70	.65	.60	.68	.63	.59	.57
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.32	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.314	.179	.057	.307	.175	.056	.292	.168	.054	.279	.161	.052	.266	.154	.050	
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.047	.263	.147	.046	.252	.142	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.244	.133	.041	.234	.129	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.225	.121	.036	.216	.118	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.107	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.199	.099	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.150	.075	.021	.146	.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	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.198	.173	.151	.169	.149	.130	.116	.102	.090	.067	.059	.052	.021	.019	.017	
2.0	.190	.149	.115	.162	.128	.099	.111	.089	.069	.064	.052	.041	.021	.017	.013	
3.0	.182	.131	.091	.156	.113	.079	.107	.079	.055	.062	.046	.033	.020	.015	.011	
4.0	.174	.118	.075	.150	.102	.066	.103	.071	.046	.060	.042	.027	.019	.014	.009	
5.0	.167	.108	.064	.143	.093	.056	.099	.065	.040	.057	.038	.023	.018	.013	.008	
6.0	.160	.100	.056	.137	.086	.049	.095	.060	.035	.055	.036	.021	.018	.012	.007	
7.0	.153	.093	.051	.132	.080	.044	.091	.056	.031	.053	.033	.019	.017	.011	.006	
8.0	.147	.087	.046	.126	.075	.040	.087	.053	.029	.051	.031	.017	.016	.010	.006	
9.0	.140	.082	.043	.121	.071	.037	.084	.050	.026	.049	.030	.016	.016	.010	.005	
10.0	.135	.078	.040	.116	.068	.035	.081	.048	.025	.047	.028	.015	.015	.009	.005	

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	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	16.8	18.2	17.0	18.5	18.7	16.6	18.1	16.9	18.4	18.6
3H	18.3	19.7	18.6	20.0	20.3	18.1	19.5	18.4	19.8	20.1
4H	18.9	20.3	19.3	20.6	20.9	18.7	20.0	19.0	20.3	20.6
6H	19.4	20.7	19.8	21.0	21.3	19.1	20.4	19.5	20.7	21.0
8H	19.6	20.8	20.0	21.1	21.4	19.2	20.4	19.6	20.8	21.1
12H	19.7	20.8	20.1	21.2	21.5	19.3	20.5	19.7	20.8	21.2
4H 2H	17.3	18.7	17.7	18.9	19.3	17.2	18.6	17.6	18.8	19.1
3H	19.1	20.2	19.5	20.6	20.9	18.9	20.1	19.3	20.4	20.8
4H	19.8	20.9	20.3	21.3	21.6	19.6	20.7	20.0	21.0	21.4
6H	20.4	21.4	20.9	21.8	22.2	20.2	21.1	20.6	21.5	21.9
8H	20.7	21.5	21.1	21.9	22.4	20.4	21.2	20.8	21.6	22.1
12H	20.8	21.6	21.3	22.1	22.5	20.5	21.3	20.9	21.7	22.2
8H 4H	20.1	21.0	20.5	21.4	21.8	19.9	20.8	20.4	21.2	21.6
6H	20.9	21.6	21.3	22.0	22.5	20.6	21.3	21.1	21.8	22.3
8H	21.2	21.8	21.7	22.3	22.8	20.9	21.5	21.4	22.0	22.5
12H	21.4	22.0	21.9	22.5	23.0	21.1	21.6	21.6	22.1	22.6
12H 4H	20.1	20.9	20.6	21.3	21.8	19.9	20.7	20.4	21.1	21.6
6H	20.9	21.6	21.4	22.0	22.5	20.7	21.3	21.2	21.8	22.3
8H	21.3	21.8	21.8	22.3	22.8	21.0	21.5	21.5	22.0	22.6

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.1 / - 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, 1681 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.8)
Area: 0.1 m2

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

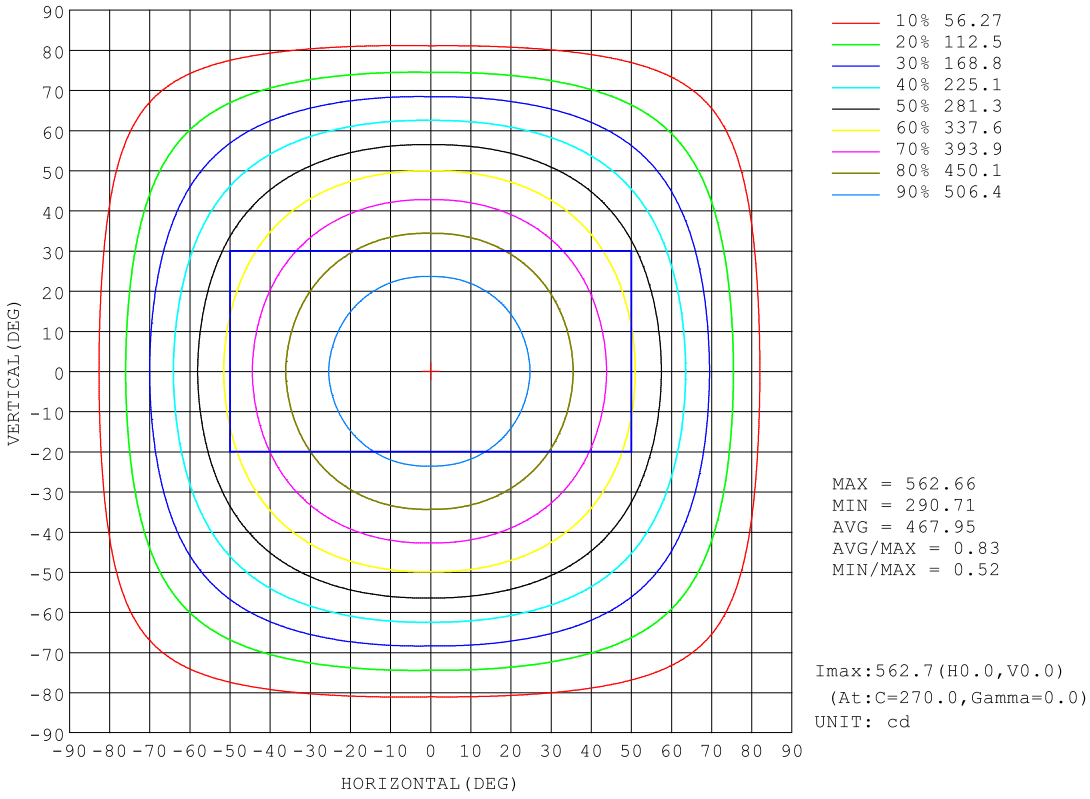
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	53	47	39
1.00	75	64	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	91	85	81	72
3.00	101	94	89	99	92	87	95	89	85	76
4.00	105	99	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 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

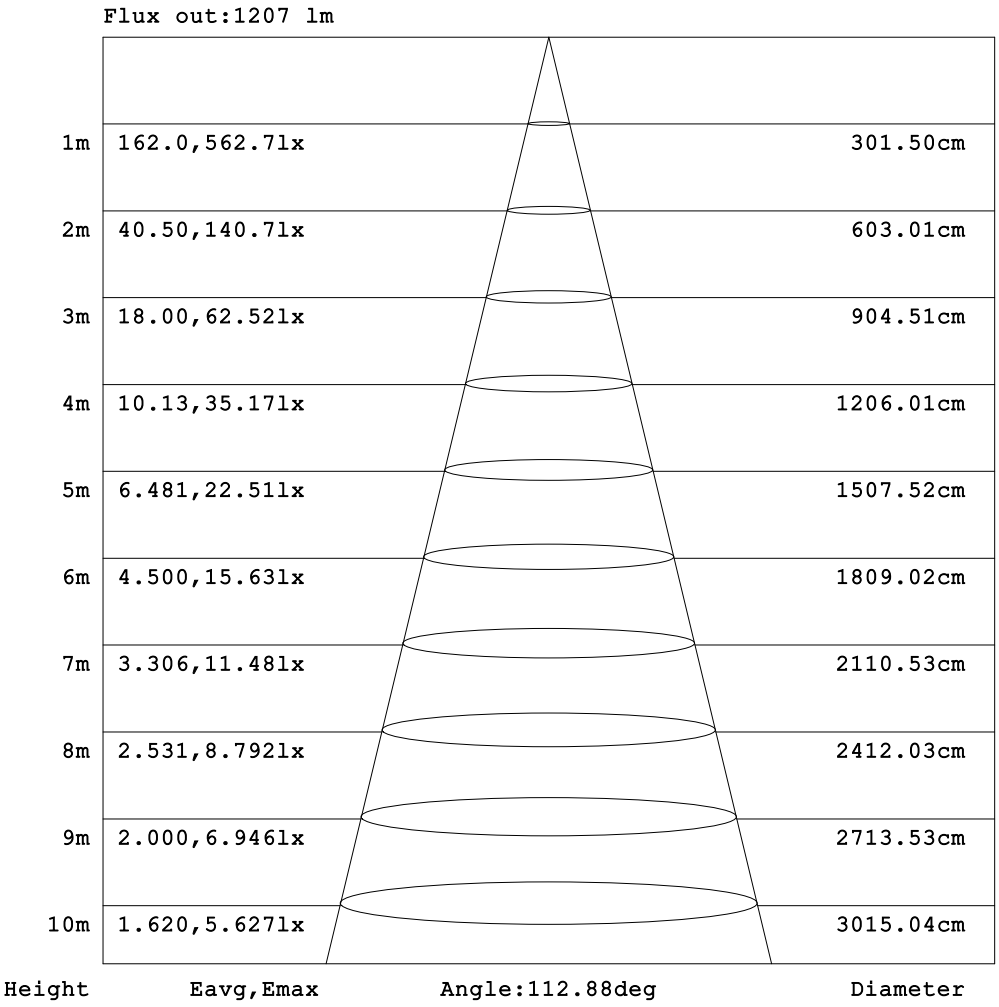


C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



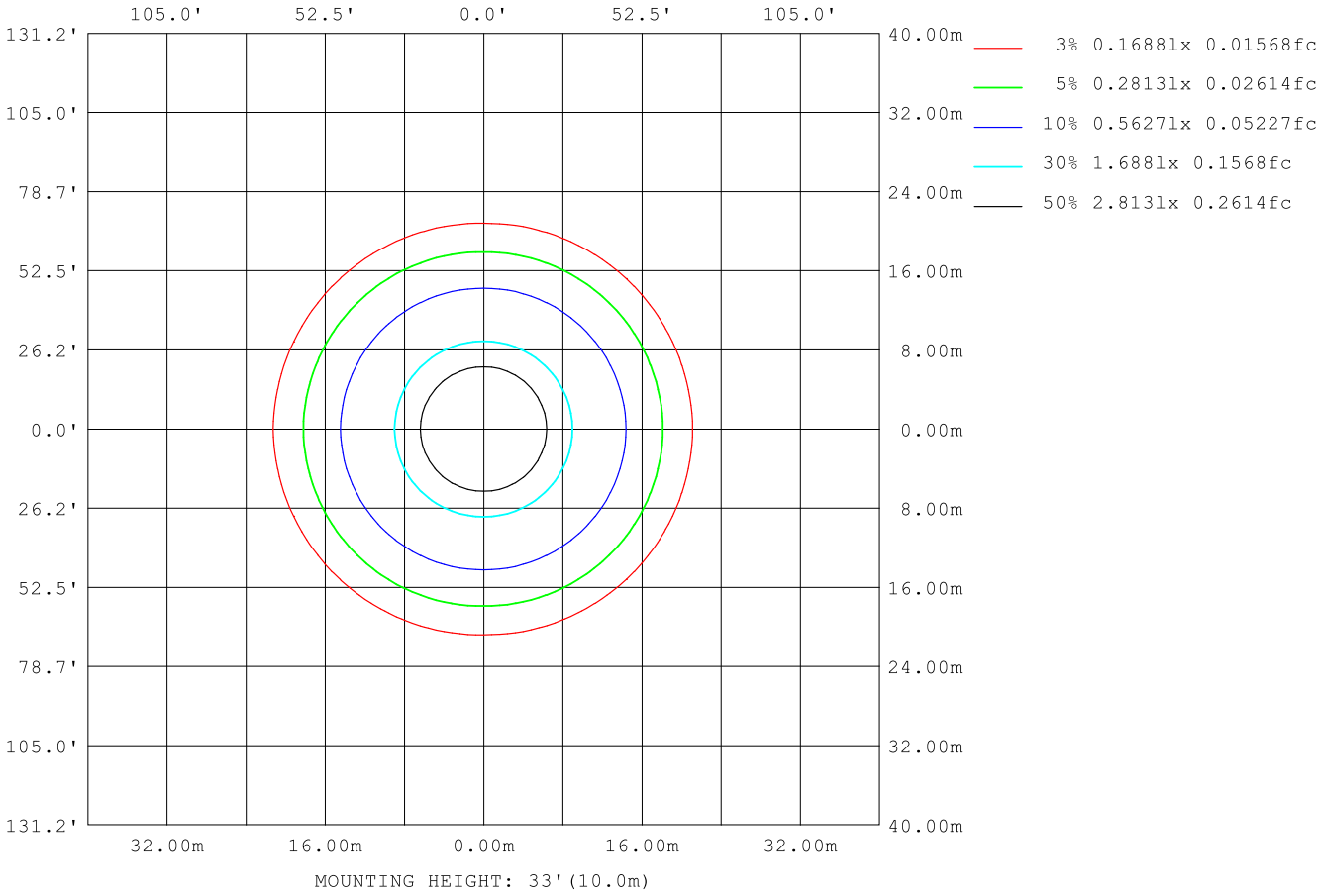
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

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LED Avg.L Report

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

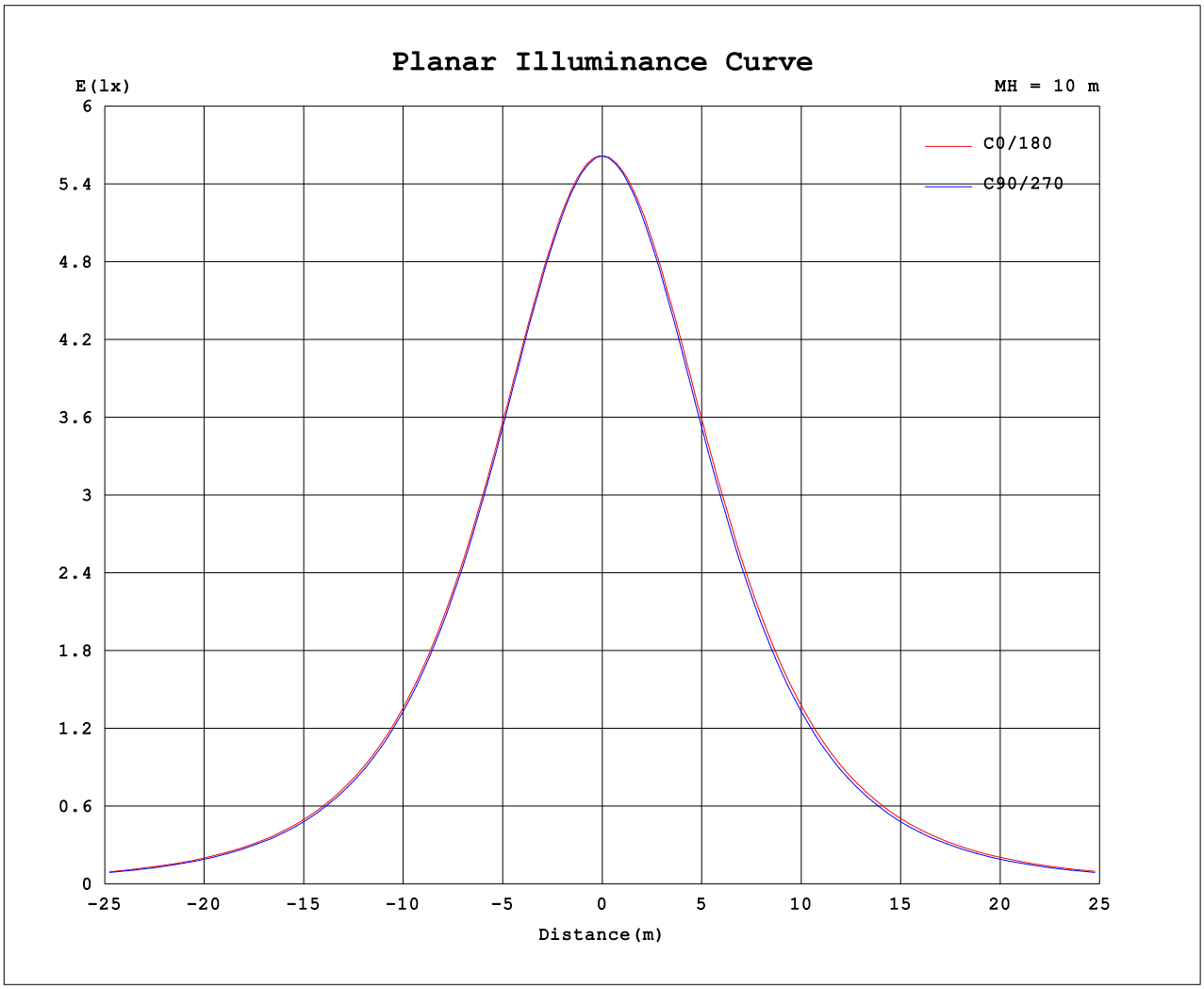
AvgL	cd/m2
L_0~180(65)av	5066
L_0~180(75)av	4618
L_0~180(85)av	4149
L_90~270(65)av	4754
L_90~270(75)av	4160
L_90~270(85)av	3159
L_45(65)av	4875
L_45(75)av	4339
L_45(85)av	3548

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:26 July 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.382m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.03V I:0.2328A P:25.818W PF:0.9238 Freq:59.98Hz Lamp Flux:1681.3x1 lm		
NAME: 57597WTWT 26W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270														
0	562	562	562	562														
5	559	558	560	558														
10	552	550	554	550														
15	540	538	543	538														
20	525	522	528	522														
25	505	501	508	501														
30	481	476	484	476														
35	453	447	457	447														
40	420	414	425	414														
45	384	377	390	377														
50	345	337	351	337														
55	303	294	309	294														
60	258	249	264	249														
65	211	201	217	201														
70	164	154	169	154														
75	117	108	122	108														
80	72.5	64.8	77.7	64.8														
85	33.8	27.5	38.5	27.5														
90	4.34	4.31	6.45	4.31														
95	4.44	4.54	4.47	4.54														
100	4.71	4.81	4.74	4.81														
105	4.99	5.10	5.03	5.10														
110	5.27	5.38	5.30	5.38														
115	5.55	5.66	5.58	5.66														
120	5.81	5.92	5.84	5.92														
125	6.05	6.15	6.08	6.15														
130	6.29	6.38	6.31	6.38														
135	6.50	6.59	6.52	6.59														
140	6.71	6.79	6.72	6.79														
145	6.93	6.99	6.93	6.99														
150	7.13	7.19	7.13	7.19														
155	7.37	7.42	7.37	7.42														
160	7.62	7.65	7.61	7.65														
165	7.84	7.88	7.83	7.88														
170	8.00	8.04	8.00	8.04														
175	8.11	8.14	8.12	8.14														
180	8.16	8.18	8.19	8.18														

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
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Operators:DAMIN
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
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