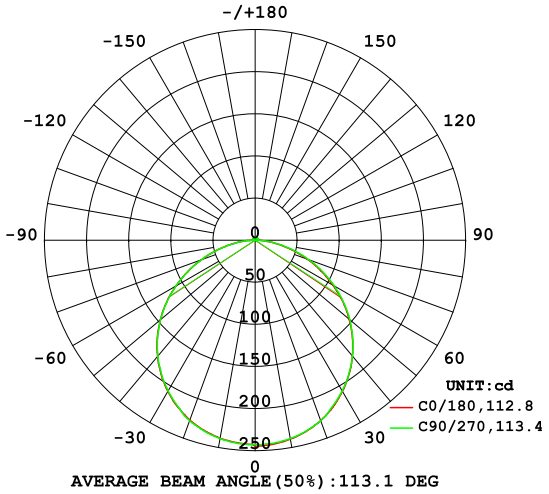
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

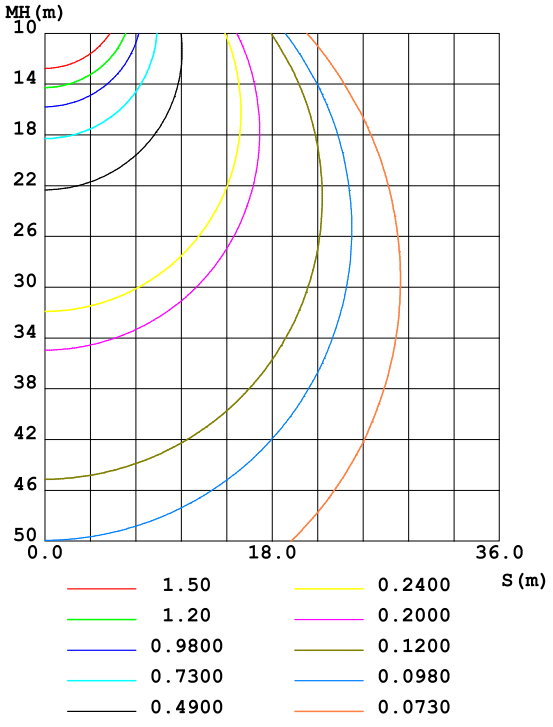
DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.87 lm/W			
MODEL	3000K	Imax(cd)	244.3	S/MH(C0/180)	1.27
NOMINAL POWER(W)	11	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	719.37	□ UP,DN(C0-180)	1.1,48.8
NOMINAL FLUX(lm)	719.368	CIE CLASS	DIRECT	□ UP,DN(C180-360)	1.1,49.0
LAMPS INSIDE	1	□ up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	□ down(%)	97.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):113.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

□□	C0	C90	C180	C270					□□	□ zone	□ total	%lum,lamp
10	240.0	239.2	238.7	239.2					0- 10	23.02	23.02	3.2,3.2
20	228.0	227.9	227.1	227.9					10- 20	66.19	89.21	12.4,12.4
30	207.4	206.8	207.3	206.8					20- 30	100.6	189.8	26.4,26.4
40	179.7	179.8	180.3	179.8					30- 40	121.6	311.3	43.3,43.3
50	145.9	146.5	146.9	146.5					40- 50	126.3	437.7	60.8,60.8
60	106.8	108.5	108.2	108.5					50- 60	114.2	551.8	76.7,76.7
70	65.98	67.94	67.98	67.94					60- 70	86.85	638.7	88.8,88.8
80	27.38	29.20	29.39	29.20					70- 80	50.29	689.0	95.8,95.8
90	1.857	1.847	2.027	1.847					80- 90	14.24	703.2	97.8,97.8
100	2.047	2.055	2.021	2.055					90-100	2.108	705.3	98,98
110	2.314	2.319	2.292	2.319					100-110	2.303	707.6	98.4,98.4
120	2.559	2.567	2.541	2.567					110-120	2.416	710.0	98.7,98.7
130	2.789	2.790	2.756	2.790					120-130	2.395	712.4	99,99
140	2.967	2.975	2.949	2.975					130-140	2.224	714.7	99.3,99.3
150	3.142	3.138	3.093	3.138					140-150	1.914	716.6	99.6,99.6
160	3.335	3.346	3.316	3.346					150-160	1.497	718.1	99.8,99.8
170	3.494	3.494	3.453	3.494					160-170	0.9665	719.0	100,100
180	3.565	3.561	3.554	3.561					170-180	0.3357	719.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 374.98 lm

%lum = 52.1%
%lamp = 52.1%

Conical surface Flux(120deg): 551.83 lm

%lum = 76.7%
%lamp = 76.7%

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

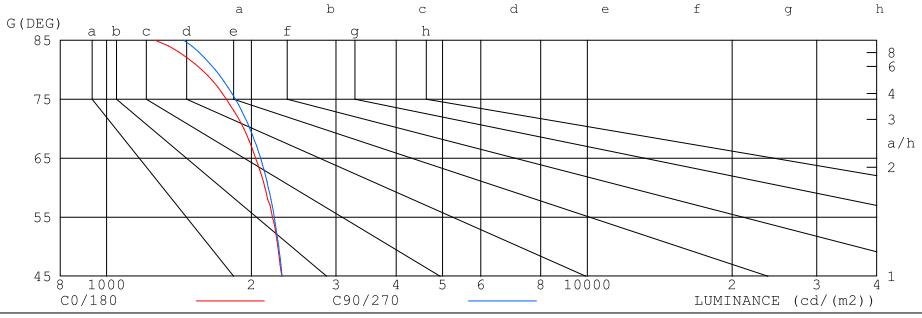
□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	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	1261	1445
80	1577	1681
75	1774	1854
70	1929	1986
65	2042	2090
60	2135	2170
55	2214	2232
50	2269	2280
45	2313	2317

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

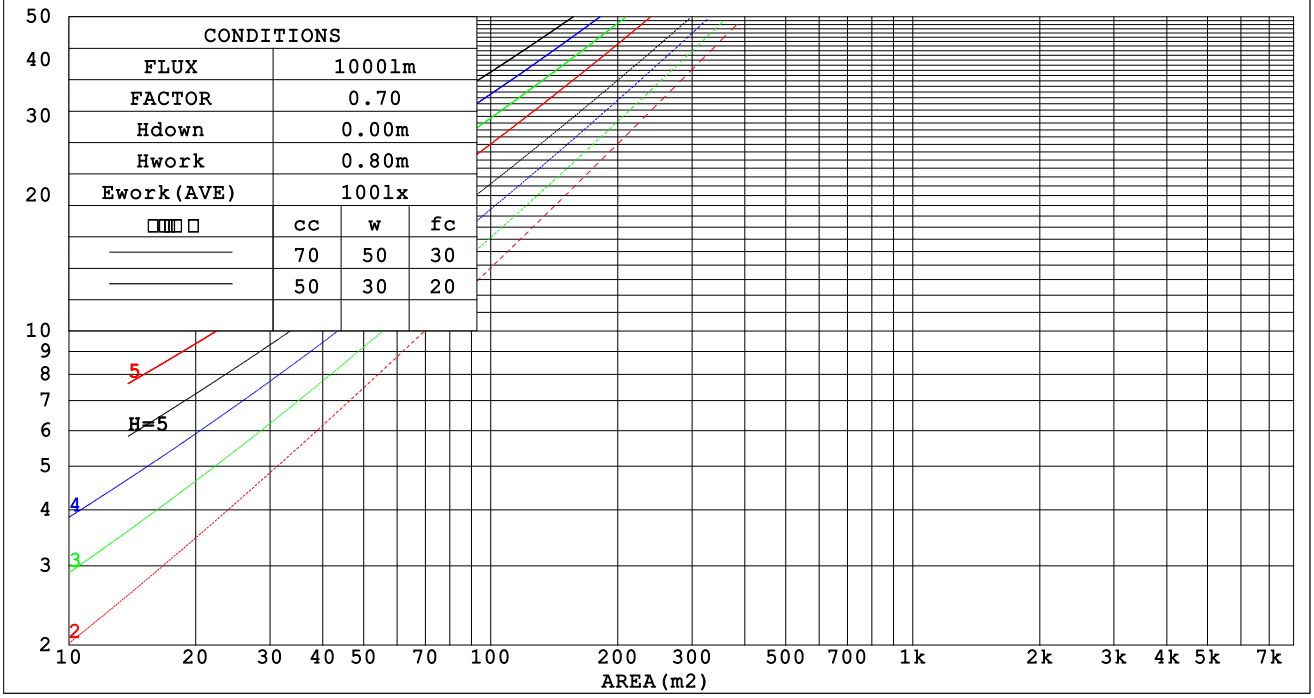
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	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	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.71	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.65	.58	.53	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.36	.48	.41	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.23

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	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	.289	.166	.053	.275	.159	.051	.263	.152	.049	
2.0	.292	.160	.049	.285	.157	.048	.272	.151	.047	.260	.146	.046	.249	.141	.044	
3.0	.270	.144	.043	.264	.141	.043	.253	.137	.042	.242	.133	.041	.232	.128	.040	
4.0	.249	.129	.038	.244	.128	.038	.233	.124	.037	.224	.120	.036	.215	.117	.036	
5.0	.230	.117	.034	.225	.116	.034	.216	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.187	.095	.027	.181	.093	.027	.174	.090	.027	
8.0	.185	.091	.025	.182	.090	.025	.175	.088	.025	.169	.086	.025	.163	.084	.024	
9.0	.174	.084	.023	.171	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.161	.078	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.208	.208	.208	.177	.177	.177	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.198	.173	.152	.169	.149	.130	.116	.102	.090	.067	.059	.052	.021	.019	.017	
2.0	.190	.149	.115	.162	.129	.100	.111	.089	.070	.064	.052	.041	.021	.017	.013	
3.0	.182	.132	.092	.156	.114	.080	.107	.079	.056	.062	.046	.033	.020	.015	.011	
4.0	.174	.119	.076	.150	.102	.066	.103	.071	.046	.060	.042	.027	.019	.014	.009	
5.0	.167	.108	.065	.143	.094	.056	.099	.065	.040	.057	.038	.024	.018	.013	.008	
6.0	.160	.100	.057	.137	.086	.049	.095	.061	.035	.055	.036	.021	.018	.012	.007	
7.0	.153	.093	.051	.132	.081	.044	.091	.057	.031	.053	.033	.019	.017	.011	.006	
8.0	.147	.087	.046	.126	.076	.041	.087	.053	.029	.051	.031	.017	.016	.010	.006	
9.0	.141	.082	.043	.121	.071	.038	.084	.050	.027	.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: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	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	16.6	18.1	16.9	18.4	18.6	16.7	18.2	17.0	18.4	18.7
3H	18.1	19.5	18.5	19.8	20.1	18.2	19.6	18.5	19.9	20.1
4H	18.7	20.0	19.1	20.3	20.6	18.8	20.1	19.2	20.4	20.7
6H	19.1	20.3	19.5	20.7	21.0	19.3	20.5	19.6	20.8	21.1
8H	19.2	20.4	19.6	20.7	21.1	19.4	20.6	19.8	20.9	21.3
12H	19.3	20.4	19.7	20.8	21.1	19.5	20.6	19.9	21.0	21.3
4H 2H	17.2	18.5	17.6	18.8	19.1	17.3	18.6	17.6	18.9	19.2
3H	18.9	20.1	19.3	20.4	20.7	19.0	20.1	19.4	20.5	20.8
4H	19.6	20.7	20.0	21.0	21.4	19.7	20.8	20.1	21.1	21.5
6H	20.1	21.1	20.6	21.5	21.9	20.3	21.2	20.7	21.6	22.0
8H	20.3	21.2	20.8	21.6	22.0	20.5	21.3	20.9	21.7	22.2
12H	20.4	21.2	20.9	21.6	22.1	20.6	21.4	21.1	21.8	22.3
8H 4H	19.9	20.7	20.3	21.1	21.6	20.0	20.8	20.4	21.2	21.7
6H	20.6	21.3	21.0	21.7	22.2	20.7	21.4	21.2	21.8	22.3
8H	20.8	21.4	21.3	21.9	22.4	21.0	21.6	21.5	22.1	22.6
12H	21.0	21.5	21.5	22.0	22.5	21.2	21.7	21.7	22.2	22.7
12H 4H	19.9	20.7	20.3	21.1	21.6	20.0	20.8	20.4	21.2	21.6
6H	20.6	21.2	21.1	21.7	22.2	20.7	21.4	21.2	21.8	22.3
8H	20.9	21.5	21.4	21.9	22.5	21.0	21.6	21.6	22.1	22.6
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, 719.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.1)
Area: 0.1 m2

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

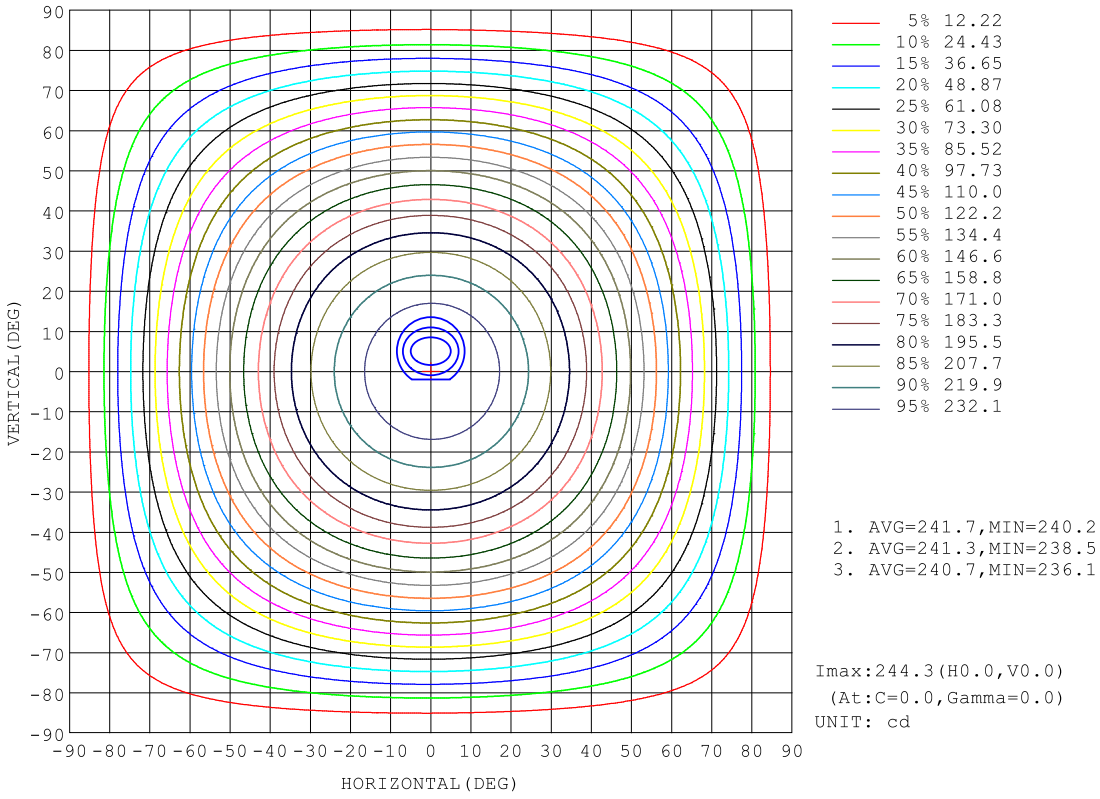
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	71	64	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	70	82	74	68	60
2.00	94	85	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 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



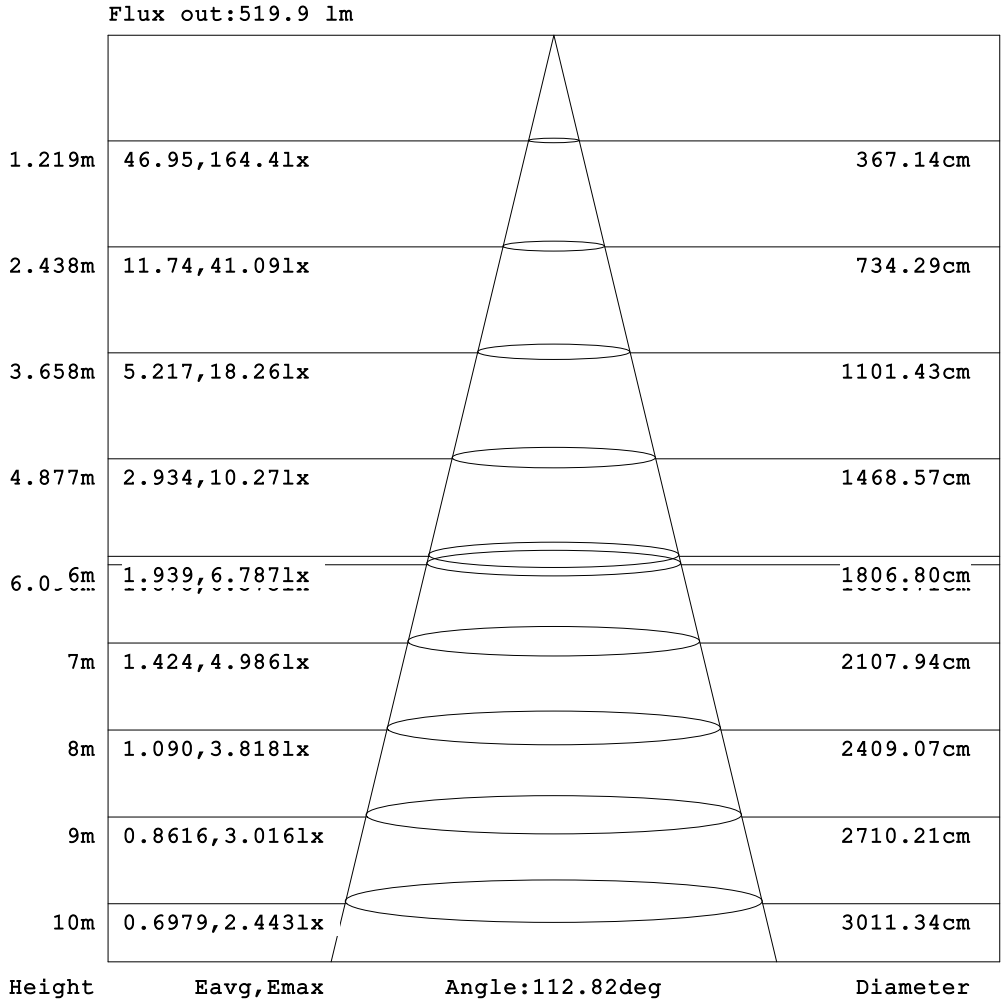
C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

D:\测试数据\3-样品测试\LT\2024年\LT24211\FM5-058-WH 11W 30K-1.GOS

AAI Figure

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



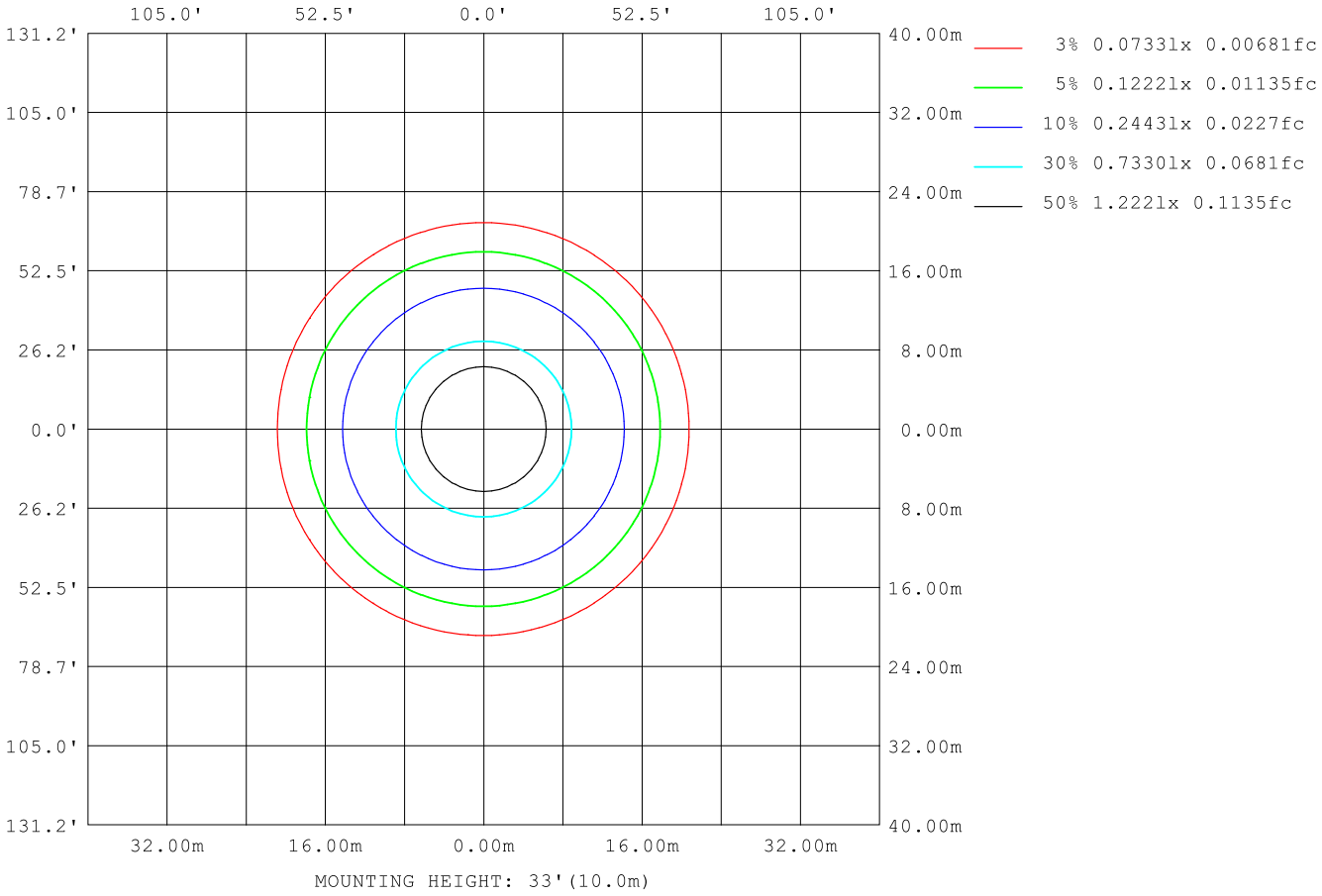
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

D:\测试数据\3-样品测试\LT\2024年\LT24211\FM5-058-WH 11W 30K-1.GOS

LED Avg.L Report

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

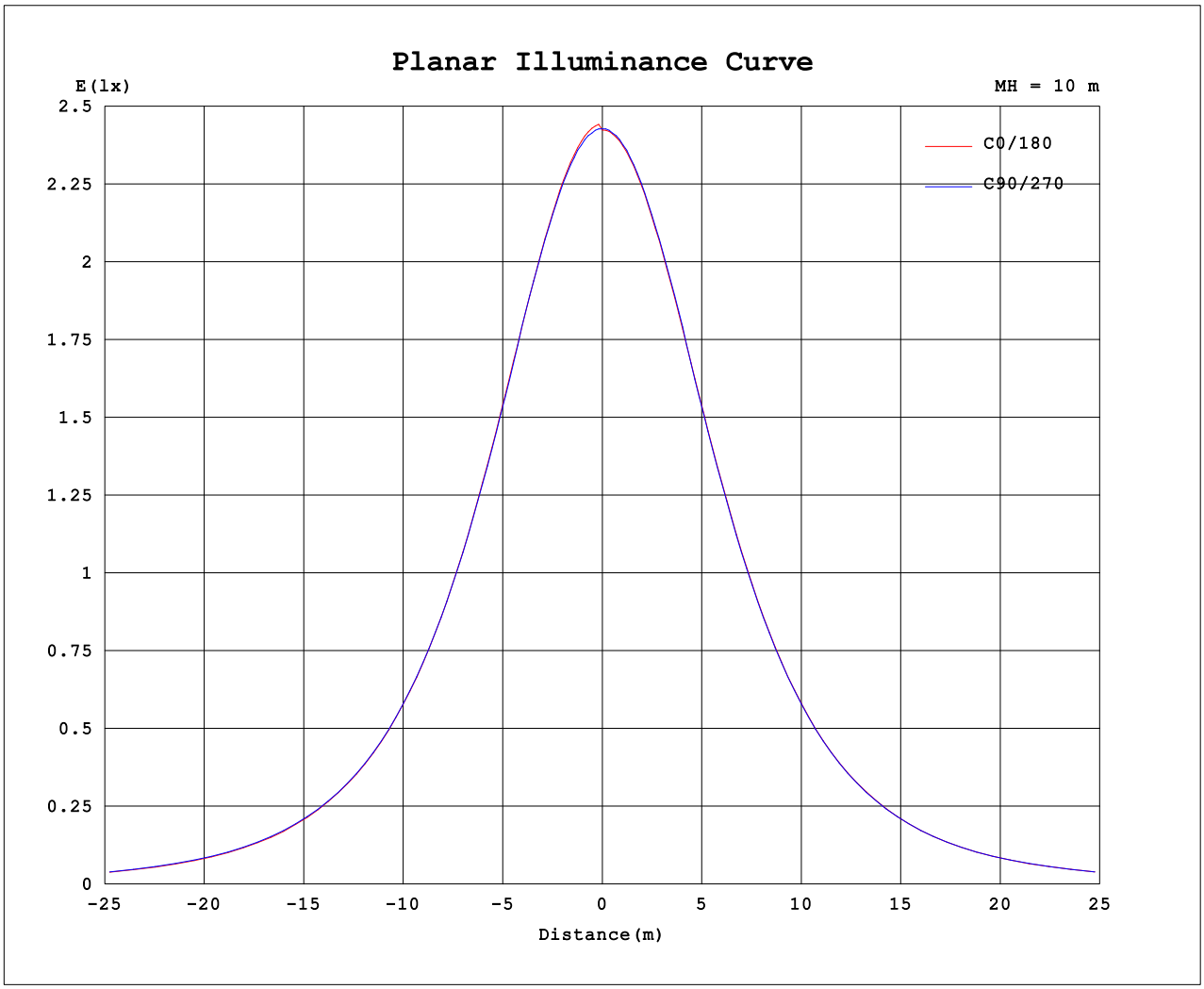
AvgL	cd/m2
L_0~180(65)av	2064
L_0~180(75)av	1814
L_0~180(85)av	1363
L_90~270(65)av	2090
L_90~270(75)av	1854
L_90~270(85)av	1445
L_45(65)av	2082
L_45(75)av	1841
L_45(85)av	1421

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.0944A P:10.599W PF:0.9349 Freq:59.98Hz Lamp Flux:719.368x1 lm		
NAME: 57590WTTW 11W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: cd

□ (DEG) \ C(DEG)	0	90	180	270															
0	244	243	242	243															
5	243	242	242	242															
10	240	239	239	239															
15	235	234	234	234															
20	228	228	227	228															
25	219	218	218	218															
30	207	207	207	207															
35	194	194	195	194															
40	180	180	180	180															
45	164	164	164	164															
50	146	147	147	147															
55	127	128	128	128															
60	107	108	108	108															
65	86.3	88.3	88.2	88.3															
70	66.0	67.9	68.0	67.9															
75	45.9	48.0	48.0	48.0															
80	27.4	29.2	29.4	29.2															
85	11.0	12.6	12.8	12.6															
90	1.86	1.85	2.03	1.85															
95	1.92	1.94	1.90	1.94															
100	2.05	2.06	2.02	2.06															
105	2.18	2.19	2.15	2.19															
110	2.31	2.32	2.29	2.32															
115	2.44	2.44	2.42	2.44															
120	2.56	2.57	2.54	2.57															
125	2.68	2.68	2.65	2.68															
130	2.79	2.79	2.76	2.79															
135	2.88	2.88	2.85	2.88															
140	2.97	2.98	2.95	2.98															
145	3.06	3.06	3.02	3.06															
150	3.14	3.14	3.09	3.14															
155	3.25	3.26	3.20	3.26															
160	3.33	3.35	3.32	3.35															
165	3.43	3.43	3.38	3.43															
170	3.49	3.49	3.45	3.49															
175	3.55	3.54	3.50	3.54															
180	3.56	3.56	3.55	3.56															

C Range: 0 - 180DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:23 August 2024

□ Range: 0 - 180DEG
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