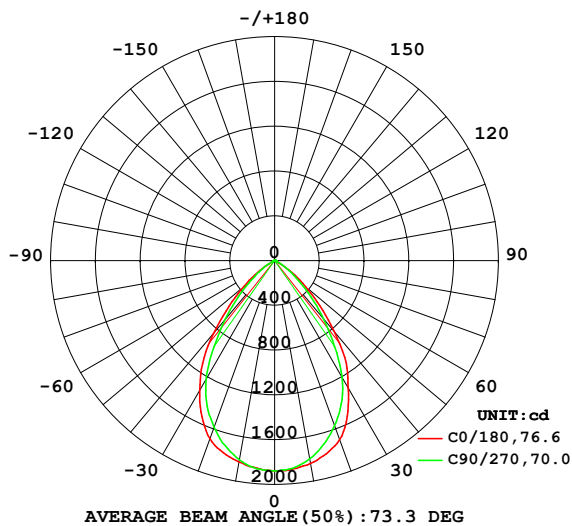


LUMINAIRE PHOTOMETRIC TEST REPORT

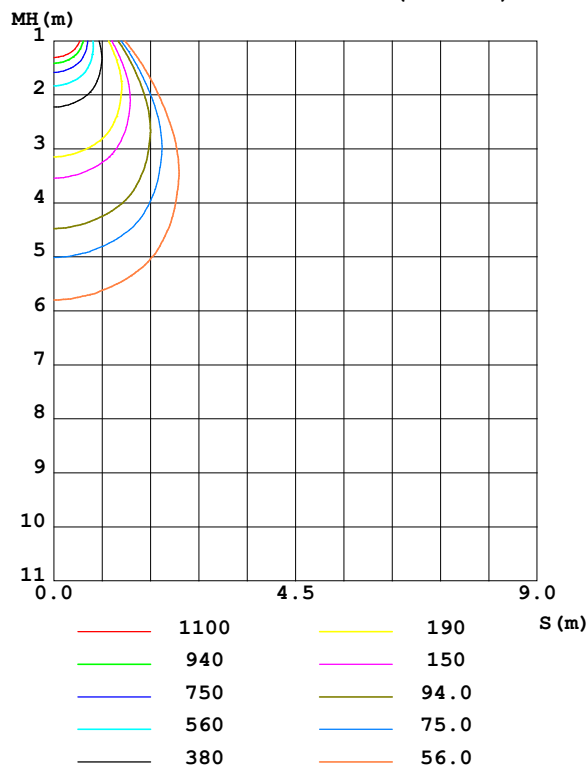
Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.19 lm/W			
MODEL	SL32W-CC	I _{max} (cd)	1879	S/MH(C0/180)	1.10
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.03
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2701.7	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	2701.67	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	240	η down (%)	100.0	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [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	1826	1825	1809	1833	1841	1824	1797	1815	0- 10	176.7	176.7	6.54,6.54
20	1691	1665	1587	1675	1702	1662	1569	1639	10- 20	491.7	668.4	24.7,24.7
30	1340	1374	1224	1375	1318	1352	1209	1349	20- 30	689.3	1358	50.3,50.3
40	850.7	923.3	689.0	910.6	827.6	887.7	682.6	895.4	30- 40	674.2	2032	75.2,75.2
50	360.8	412.7	276.4	402.0	365.3	393.5	281.2	400.0	40- 50	448.9	2481	91.8,91.8
60	57.60	82.59	71.04	81.15	60.28	80.31	78.59	82.76	50- 60	177.1	2658	98.4,98.4
70	14.66	11.52	15.95	11.06	13.50	11.55	17.07	12.61	60- 70	29.28	2687	99.5,99.5
80	5.207	6.932	8.710	6.415	4.504	6.996	9.855	7.719	70- 80	9.782	2697	99.8,99.8
90	0.3762	0.2591	0.2504	0.2691	0.3527	0.4975	0.5451	0.5145	80- 90	4.708	2702	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		

Conical surface Flux(90deg): 2292.7 lm

%lum = 84.9%

%lamp = 84.9%

Conical surface Flux(120deg): 2657.9 lm

%lum = 98.4%

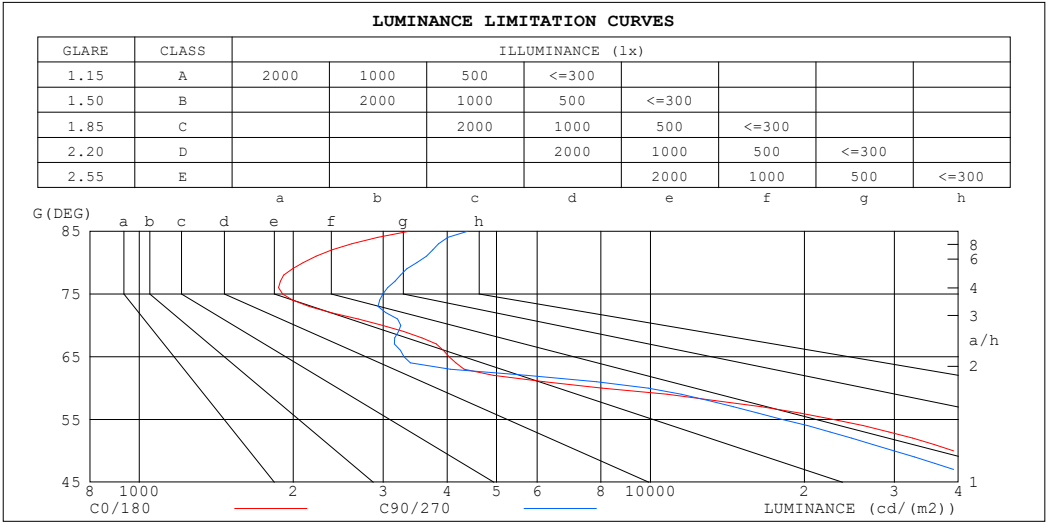
%lamp = 98.4%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Chen Songyu
 Test Date:2024-05-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3373	4386
80	2093	3492
75	1907	2996
70	2992	3247
65	4036	3296
60	8039	9892
55	22816	18124
50	39173	29937
45	56922	45733

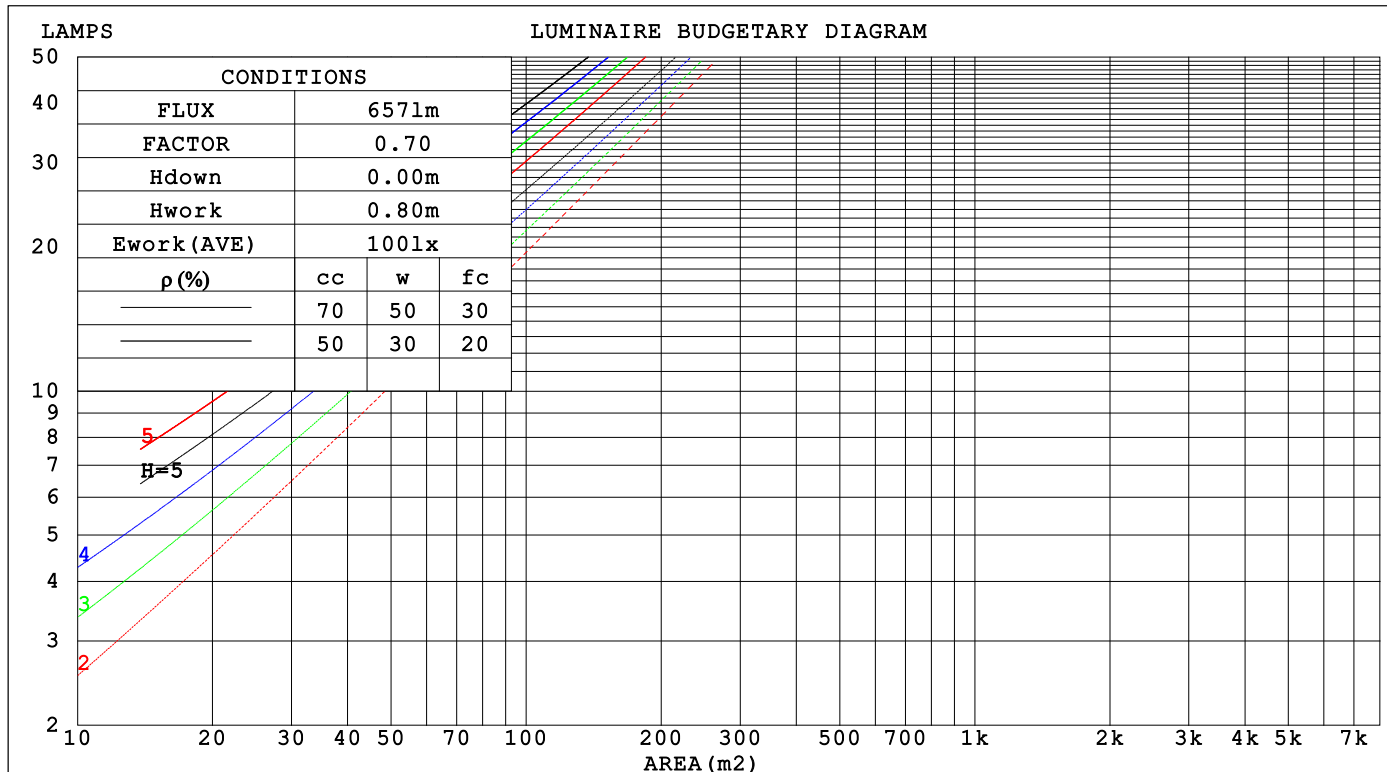
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.83
3.0	.91	.85	.81	.90	.84	.80	.87	.83	.79	.85	.81	.77	.82	.79	.76	.74
4.0	.84	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.69	.65	.74	.68	.64	.72	.67	.63	.71	.66	.63	.61
6.0	.71	.64	.59	.70	.63	.59	.68	.63	.58	.67	.62	.58	.66	.61	.57	.56
7.0	.66	.59	.54	.65	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.52	.51
8.0	.61	.54	.49	.60	.54	.49	.59	.53	.49	.58	.52	.48	.57	.52	.48	.47
9.0	.57	.50	.45	.56	.50	.45	.55	.49	.45	.54	.49	.45	.53	.48	.44	.43
10.0	.53	.46	.42	.52	.46	.42	.51	.46	.41	.51	.45	.41	.50	.45	.41	.40



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:2701.67x1 lm		
Name: SL32W-CC			Type: 32W			Weight:		
SPEC.: 5700K			DIM.:			Instrument No.: HUP-IES-B3		
MFR.: EVERFINE			SUR.: 0.169*0.085			shielding angle:		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.207	.118	.037	.201	.114	.036	.188	.108	.034	.176	.102	.033	.165	.096	.031		
2.0	.202	.111	.034	.196	.108	.033	.185	.103	.032	.175	.098	.031	.166	.094	.030		
3.0	.193	.103	.031	.188	.101	.030	.179	.097	.029	.170	.093	.029	.162	.090	.028		
4.0	.185	.096	.028	.180	.094	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026		
5.0	.176	.090	.026	.172	.088	.026	.165	.086	.025	.158	.083	.025	.151	.081	.024		
6.0	.167	.084	.024	.164	.083	.024	.157	.081	.023	.151	.079	.023	.146	.077	.023		
7.0	.159	.079	.022	.156	.078	.022	.150	.076	.022	.145	.074	.022	.140	.073	.021		
8.0	.151	.074	.021	.149	.073	.021	.144	.072	.020	.139	.070	.020	.134	.069	.020		
9.0	.144	.070	.020	.142	.069	.019	.137	.068	.019	.133	.067	.019	.129	.065	.019		
10.0	.138	.066	.018	.136	.065	.018	.131	.064	.018	.127	.063	.018	.124	.062	.018		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	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	.173	.157	.142	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016		
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.038	.017	.015	.013		
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010		
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008		
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007		
6.0	.127	.080	.046	.109	.069	.040	.075	.048	.028	.044	.028	.017	.014	.009	.006		
7.0	.120	.072	.039	.104	.063	.034	.072	.044	.024	.042	.026	.014	.013	.008	.005		
8.0	.115	.066	.033	.099	.058	.029	.068	.040	.020	.040	.024	.012	.013	.008	.004		
9.0	.110	.061	.029	.095	.053	.025	.066	.037	.018	.038	.022	.011	.012	.007	.004		
10.0	.105	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.007	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm											
Name: SL32W-CC						Type: 32W			Weight:		
SPEC.: 5700K						DIM.:			Instrument No.: HUP-IES-B3		
MFR.: EVERFINE						SUR.: 0.169*0.085			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	2H	23.5	24.7	23.8	24.9	25.0	22.9	24.1	23.1	24.2	24.4
	3H	23.4	24.4	23.6	24.6	24.8	22.7	23.8	23.0	24.0	24.2
	4H	23.3	24.3	23.6	24.5	24.7	22.7	23.6	22.9	23.9	24.1
	6H	23.2	24.1	23.5	24.4	24.6	22.6	23.5	22.9	23.8	24.0
	8H	23.1	24.0	23.5	24.3	24.6	22.5	23.4	22.9	23.7	24.0
	12H	23.1	23.9	23.4	24.2	24.5	22.5	23.4	22.8	23.6	23.9
4H	2H	23.3	24.3	23.6	24.6	24.8	22.7	23.7	23.0	24.0	24.2
	3H	23.2	24.0	23.5	24.3	24.6	22.6	23.4	22.9	23.7	24.0
	4H	23.1	23.9	23.4	24.2	24.5	22.5	23.3	22.9	23.6	23.9
	6H	23.0	23.7	23.4	24.0	24.4	22.4	23.1	22.8	23.5	23.8
	8H	23.0	23.6	23.4	23.9	24.3	22.4	23.0	22.8	23.4	23.8
	12H	22.9	23.5	23.3	23.9	24.3	22.4	23.0	22.8	23.3	23.7
8H	4H	23.0	23.6	23.4	23.9	24.3	22.4	23.0	22.8	23.3	23.7
	6H	22.9	23.4	23.3	23.8	24.2	22.3	22.8	22.8	23.2	23.6
	8H	22.8	23.3	23.3	23.7	24.2	22.3	22.8	22.8	23.2	23.6
	12H	22.8	23.2	23.3	23.6	24.1	22.3	22.7	22.8	23.1	23.6
12H	4H	22.9	23.5	23.3	23.9	24.2	22.3	22.9	22.7	23.3	23.7
	6H	22.8	23.3	23.3	23.7	24.1	22.3	22.7	22.7	23.1	23.6
	8H	22.8	23.2	23.3	23.6	24.1	22.3	22.6	22.7	23.1	23.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 2.1 / - 5.5					+ 2.3 / - 5.5				
1.5H		+ 1.9 / - 3.1					+ 1.9 / - 3.0				
2.0H		+ 4.4 / - 9.2					+ 4.1 / - 8.1				

CIE Pub.117, 2702 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.5)
Area: 0.014365 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

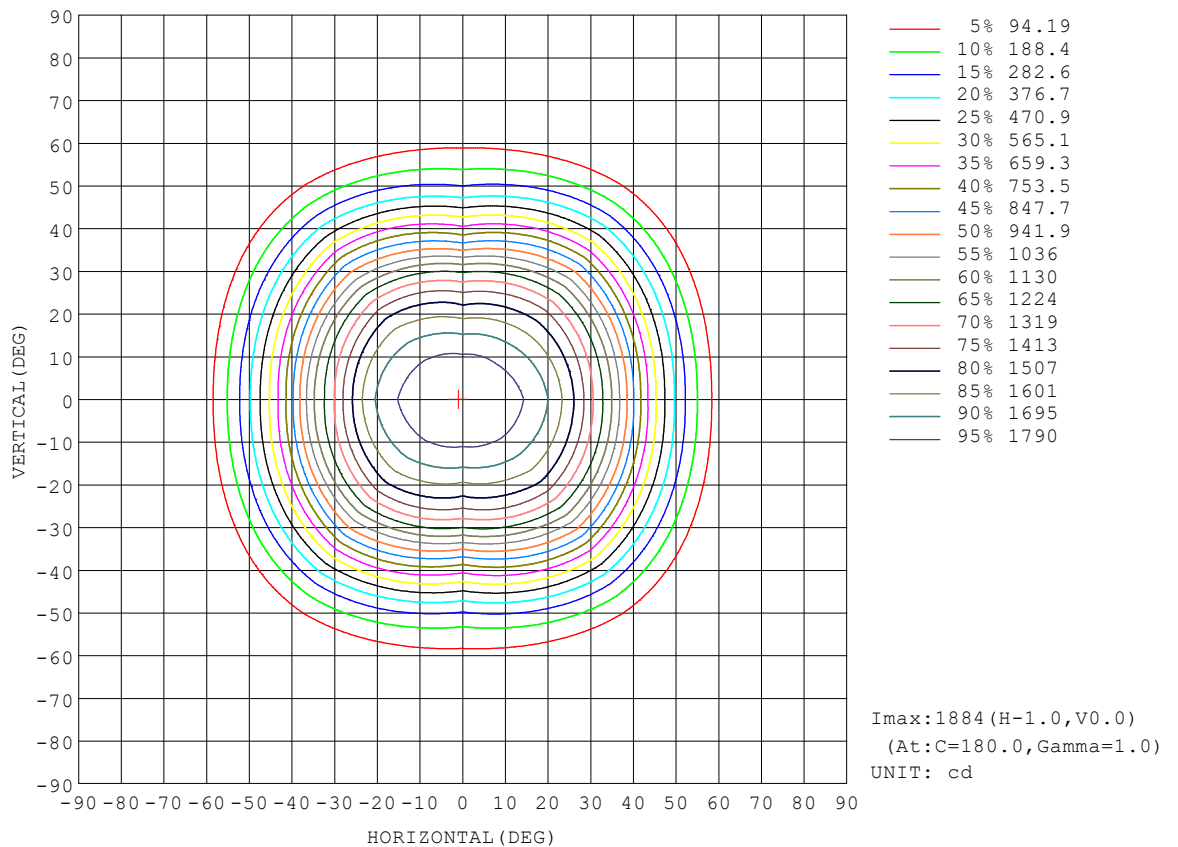
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	75	67	62	75	67	62	74	66	62	57
0.80	85	77	72	84	77	72	83	76	71	66
1.00	92	84	80	91	84	79	89	84	79	74
1.25	97	91	86	96	90	86	94	89	85	80
1.50	101	95	90	100	94	90	97	92	89	84
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	102	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	91
4.00	112	108	105	110	106	104	106	103	101	94
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

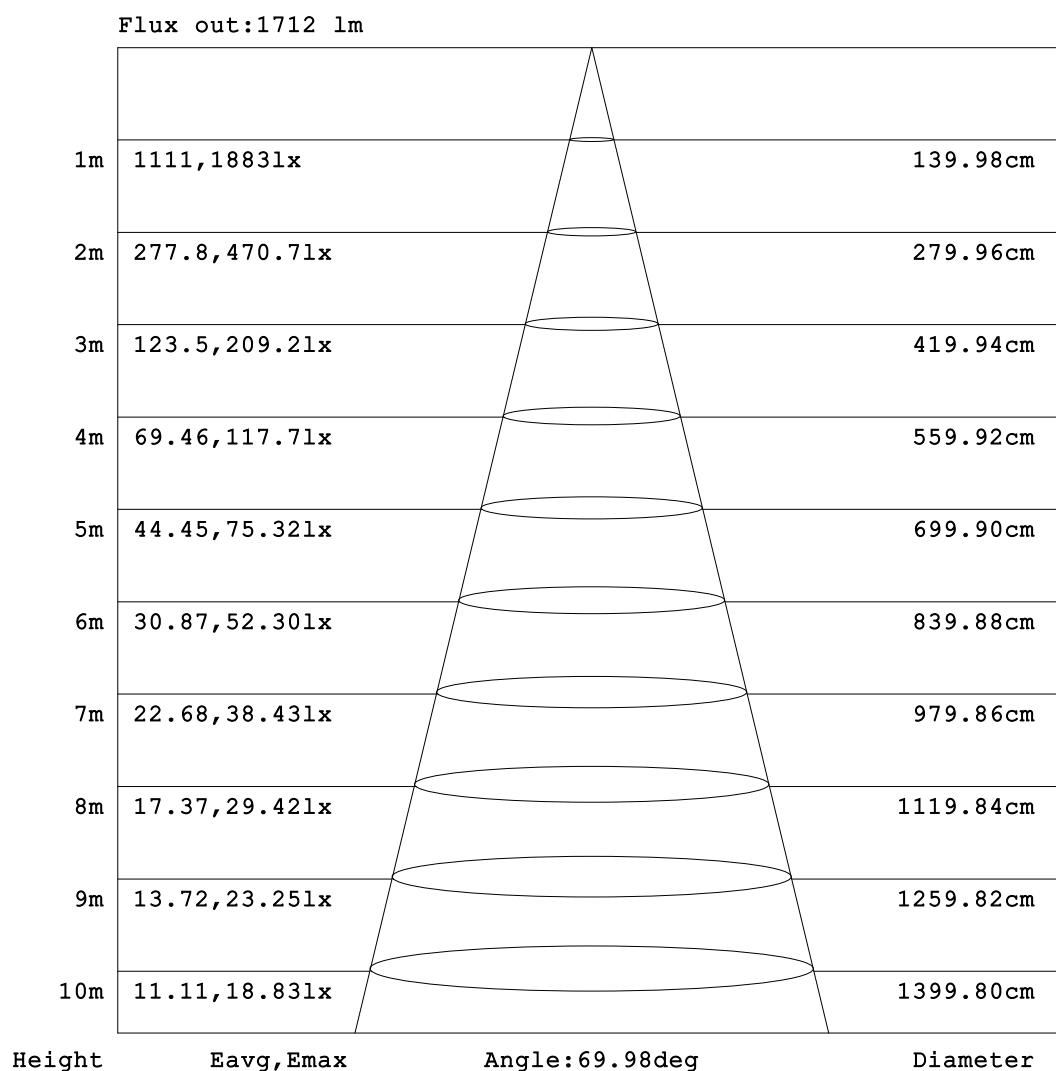


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:



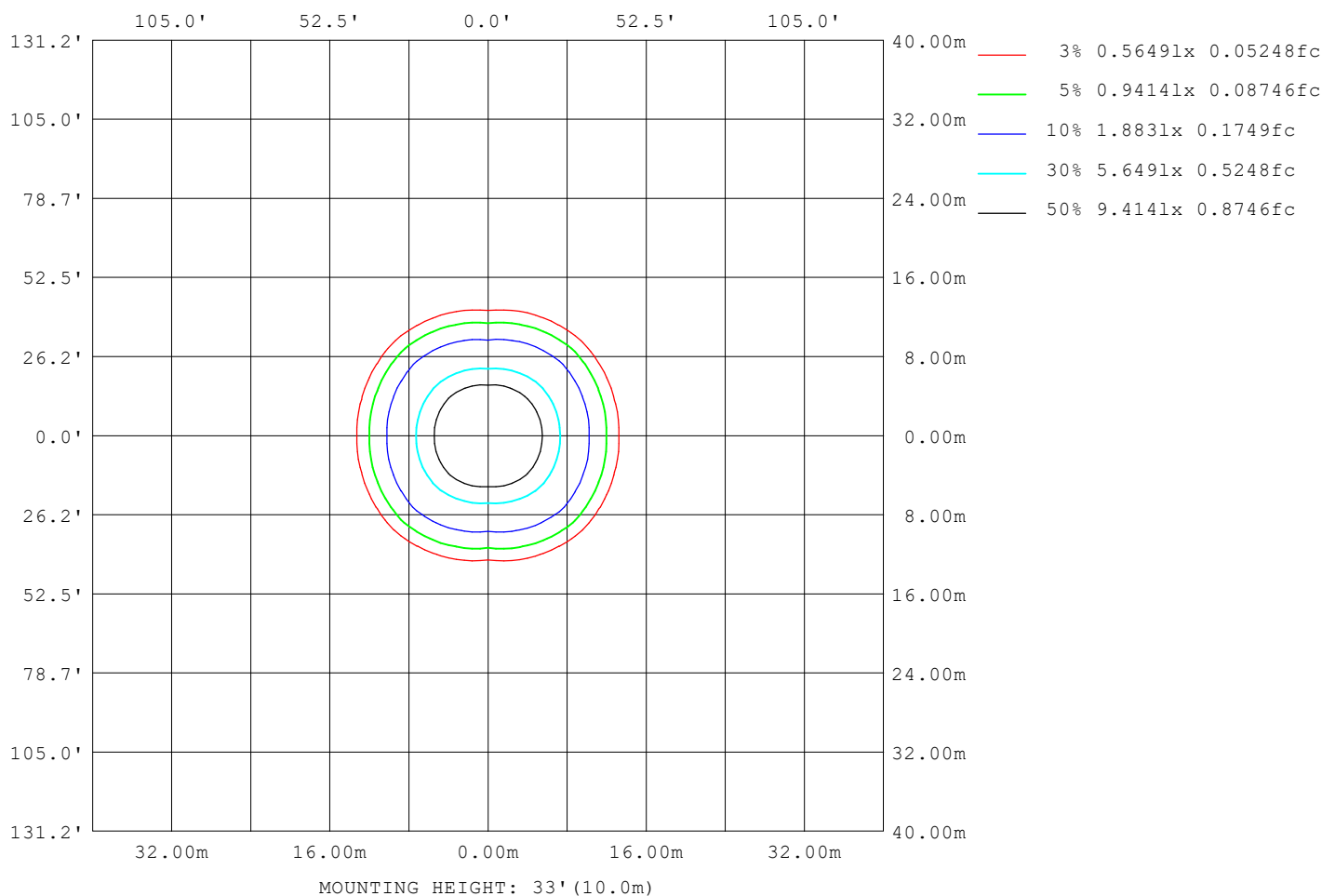
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: Chen Songyu
Test Date: 2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 9.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

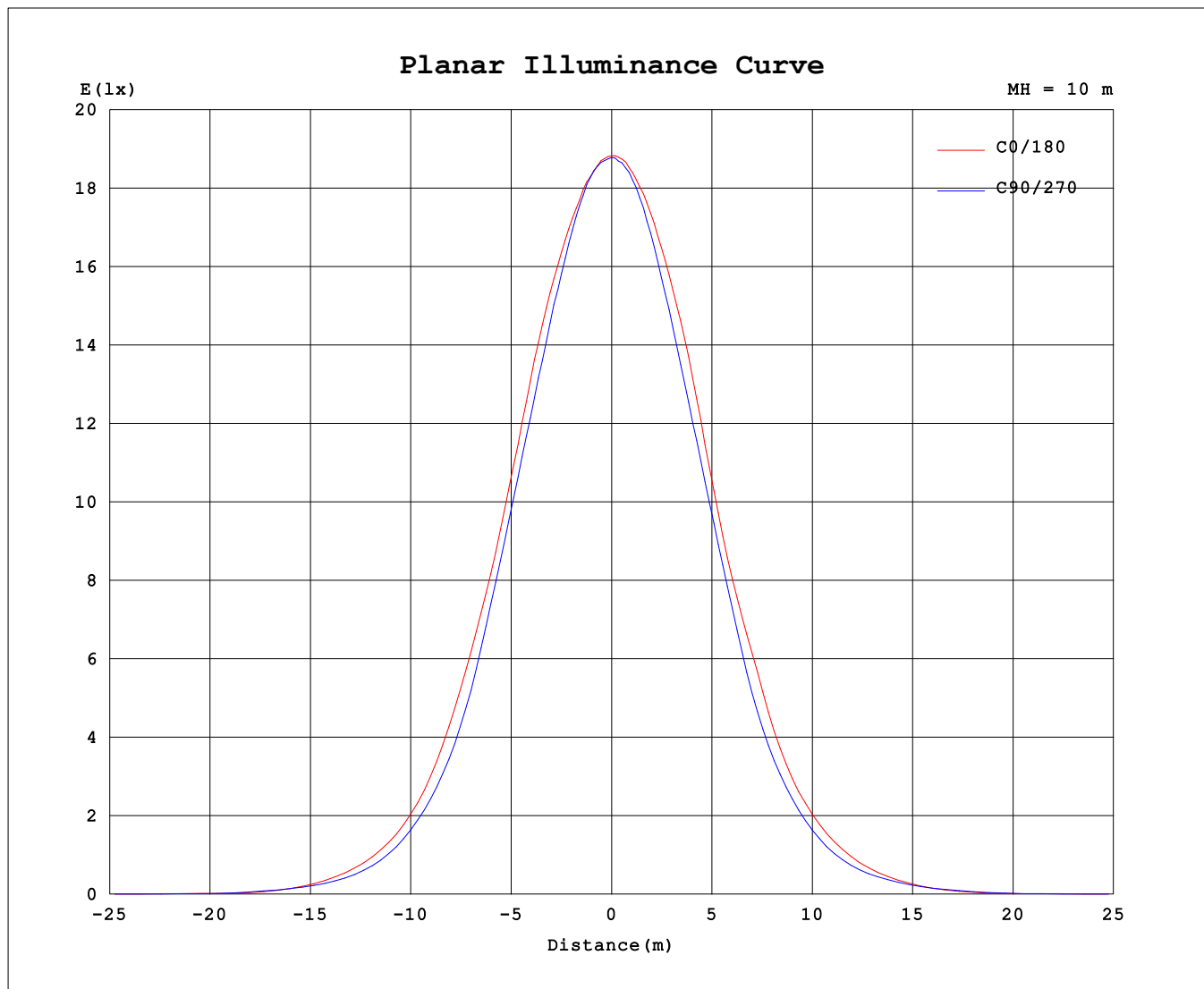
AvgL	cd/m2
L_0~180 (65) av	3928
L_0~180 (75) av	1777
L_0~180 (85) av	3031
L_90~270 (65) av	3428
L_90~270 (75) av	3155
L_90~270 (85) av	4819
L_45 (65) av	3889
L_45 (75) av	2230
L_45 (85) av	3841

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: Chen Songyu
Test Date: 2024-05-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 9.600m [K=1.0000]
Remarks:

Test: U:240.26V I:0.1355A P:31.345W PF:0.9629 Freq:49.99Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 2701.67x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.600m [K=1.0000]
Remarks:

```