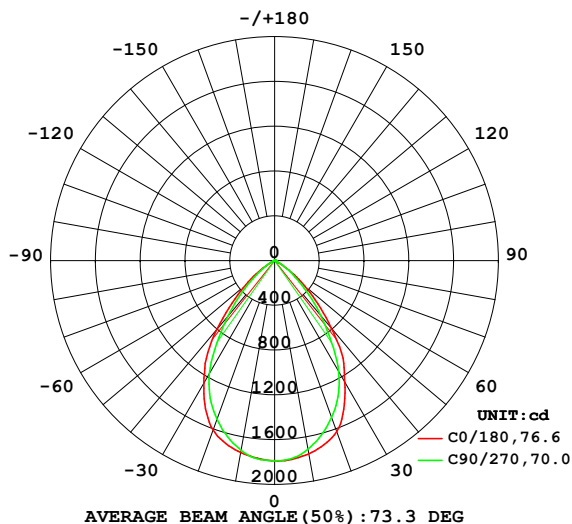


LUMINAIRE PHOTOMETRIC TEST REPORT

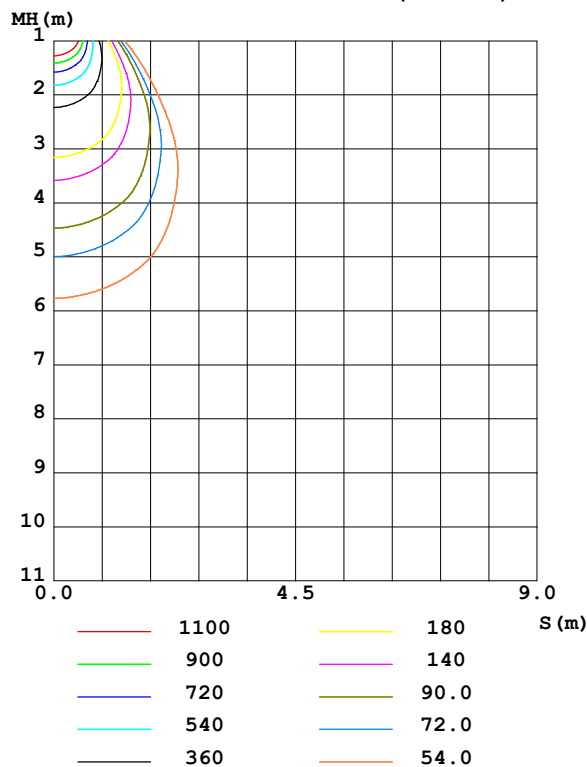
Test:U:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.63 lm/W			
MODEL	SL32W-CC	I _{max} (cd)	1790	S/MH(C0/180)	1.09
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.02
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2565.5	η UP,DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	2565.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.8
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 °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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1741	1737	1721	1744	1753	1737	1712	1725	0- 10	168.3	168.3	6.56,6.56
20	1611	1579	1507	1591	1625	1579	1489	1556	10- 20	467.8	636.0	24.8,24.8
30	1266	1304	1167	1308	1255	1284	1146	1279	20- 30	654.9	1291	50.3,50.3
40	805.7	878.5	651.3	864.8	790.4	843.6	644.3	850.7	30- 40	640.5	1931	75.3,75.3
50	338.2	391.5	261.0	385.7	348.2	375.1	265.3	378.4	40- 50	425.8	2357	91.9,91.9
60	53.25	77.48	66.80	76.06	56.65	76.04	74.23	76.73	50- 60	167.5	2525	98.4,98.4
70	13.66	10.66	14.79	10.12	12.37	10.70	15.96	11.59	60- 70	27.38	2552	99.5,99.5
80	4.846	6.412	8.105	5.912	4.101	6.549	9.332	7.241	70- 80	9.048	2561	99.8,99.8
90	0.3542	0.2468	0.2357	0.2365	0.3367	0.4948	0.5450	0.5056	80- 90	4.391	2566	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): 2178.9 lm

%lum = 84.9%

%lamp = 84.9%

Conical surface Flux(120deg): 2524.7 lm

%lum = 98.4%

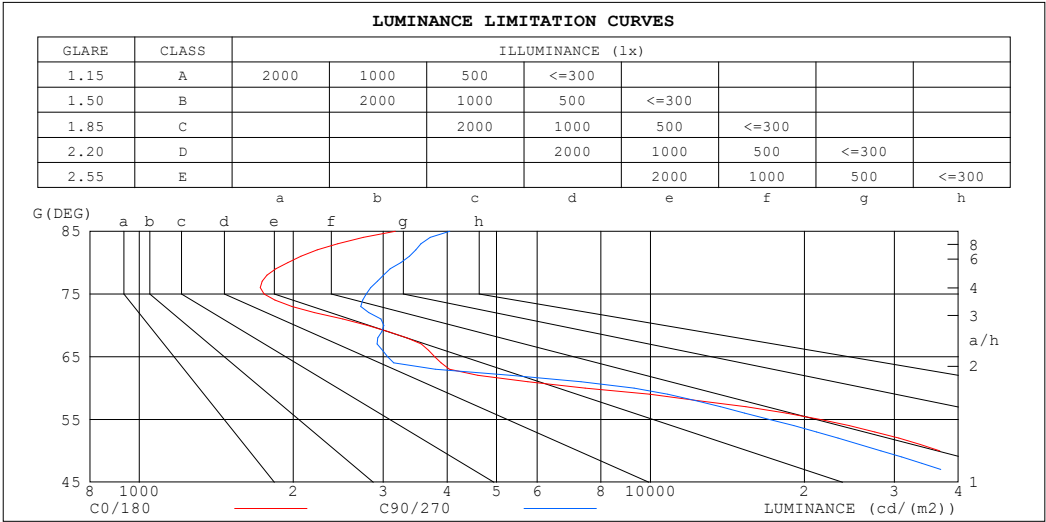
%lamp = 98.4%

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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	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	3168	4049
80	1952	3245
75	1754	2780
70	2795	3006
65	3781	3060
60	7450	9287
55	21500	17108
50	36806	28228
45	53427	43196

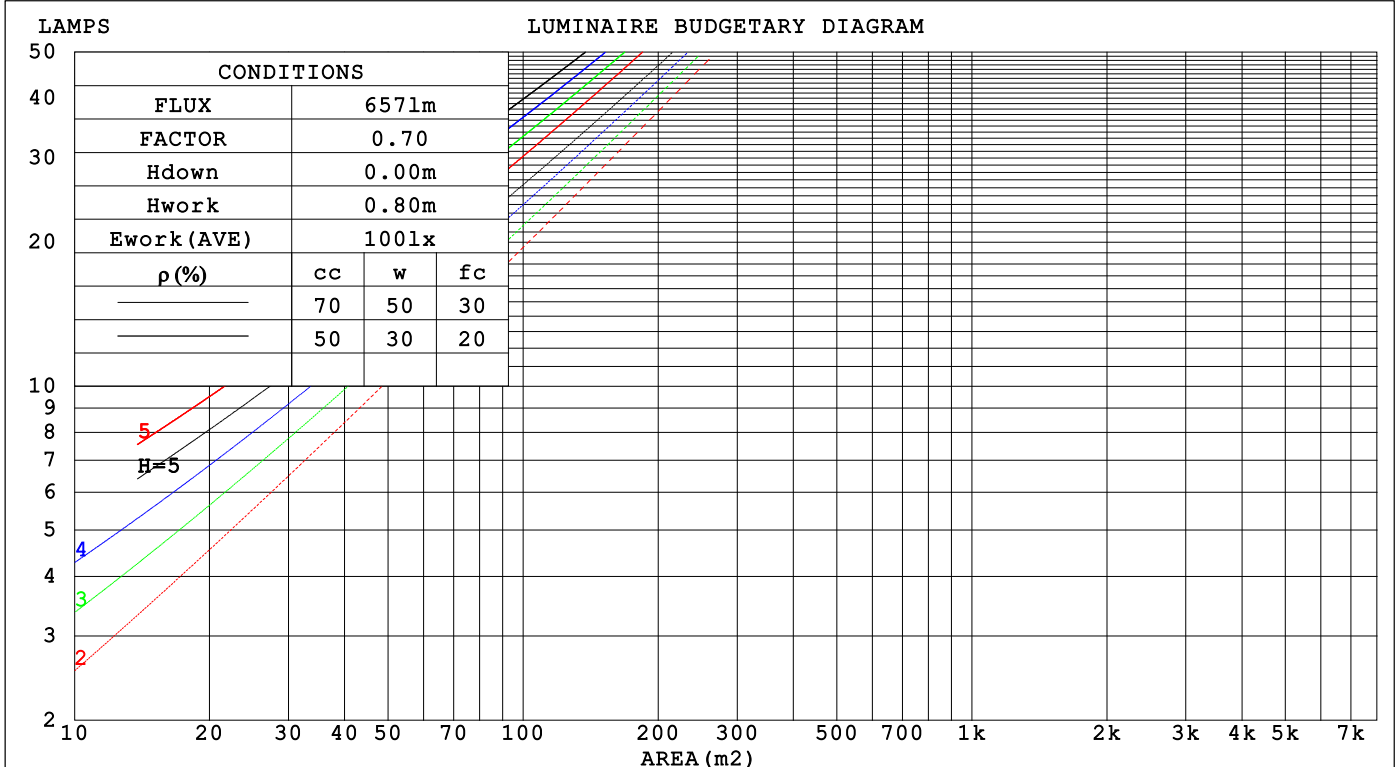
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	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	1.02	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	.98	.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	.75
4.0	.84	.77	.72	.83	.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	.53	.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	.45	.43
10.0	.53	.46	.42	.52	.46	.42	.51	.46	.42	.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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	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	.200	.114	.036	.188	.108	.034	.176	.101	.033	.165	.096	.031		
2.0	.202	.110	.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	.184	.096	.028	.180	.094	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026		
5.0	.176	.089	.026	.172	.088	.026	.164	.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	.019	.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	.126	.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	.065	.037	.018	.038	.022	.011	.012	.007	.004		
10.0	.105	.057	.025	.090	.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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm											
Name: SL32W-CC						Type: 32W			Weight:		
SPEC.: 3000K						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	23.3	24.5	23.6	24.7	24.8	22.7	23.9	23.0	24.0	24.2	
	3H	23.2	24.2	23.4	24.4	24.6	22.6	23.6	22.8	23.8	24.0
	4H	23.1	24.1	23.4	24.3	24.5	22.5	23.5	22.8	23.7	23.9
	6H	23.0	23.9	23.3	24.2	24.4	22.4	23.3	22.7	23.6	23.8
	8H	22.9	23.8	23.3	24.1	24.4	22.4	23.2	22.7	23.5	23.8
	12H	22.9	23.7	23.2	24.0	24.3	22.3	23.2	22.7	23.4	23.7
4H	2H	23.1	24.1	23.4	24.4	24.6	22.5	23.5	22.8	23.8	24.0
	3H	23.0	23.8	23.3	24.1	24.4	22.4	23.2	22.7	23.5	23.8
	4H	22.9	23.7	23.2	24.0	24.3	22.3	23.1	22.7	23.4	23.7
	6H	22.8	23.5	23.2	23.8	24.2	22.3	22.9	22.6	23.3	23.6
	8H	22.8	23.4	23.2	23.7	24.1	22.2	22.8	22.6	23.2	23.6
	12H	22.7	23.3	23.1	23.7	24.1	22.2	22.8	22.6	23.1	23.5
8H	4H	22.8	23.4	23.2	23.7	24.1	22.2	22.8	22.6	23.2	23.5
	6H	22.7	23.2	23.1	23.6	24.0	22.1	22.6	22.6	23.0	23.5
	8H	22.6	23.1	23.1	23.5	24.0	22.1	22.6	22.6	23.0	23.4
	12H	22.6	23.0	23.1	23.4	23.9	22.1	22.5	22.6	22.9	23.4
12H	4H	22.7	23.3	23.1	23.7	24.0	22.1	22.7	22.6	23.1	23.5
	6H	22.6	23.1	23.1	23.5	23.9	22.1	22.5	22.5	23.0	23.4
	8H	22.6	23.0	23.1	23.4	23.9	22.1	22.5	22.5	22.9	23.4
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 2.1 / - 5.6					+ 2.4 / - 5.5				
1.5H		+ 2.0 / - 3.1					+ 1.9 / - 3.1				
2.0H		+ 4.4 / - 9.2					+ 4.2 / - 8.2				

CIE Pub.117, 2566 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.3)
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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

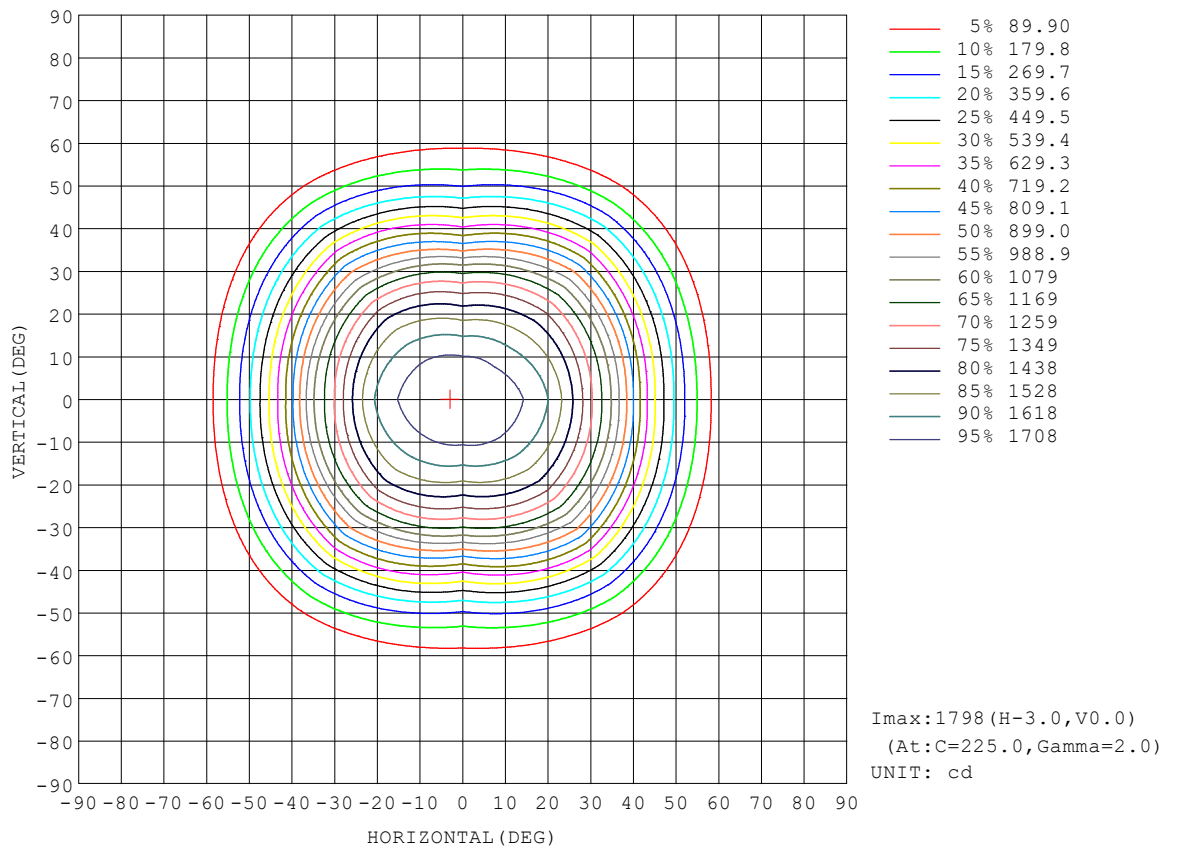
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	67	62	75	67	62	74	66	62	57
0.80	85	77	72	84	77	72	83	76	71	67
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	103	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	92
4.00	112	108	105	110	107	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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

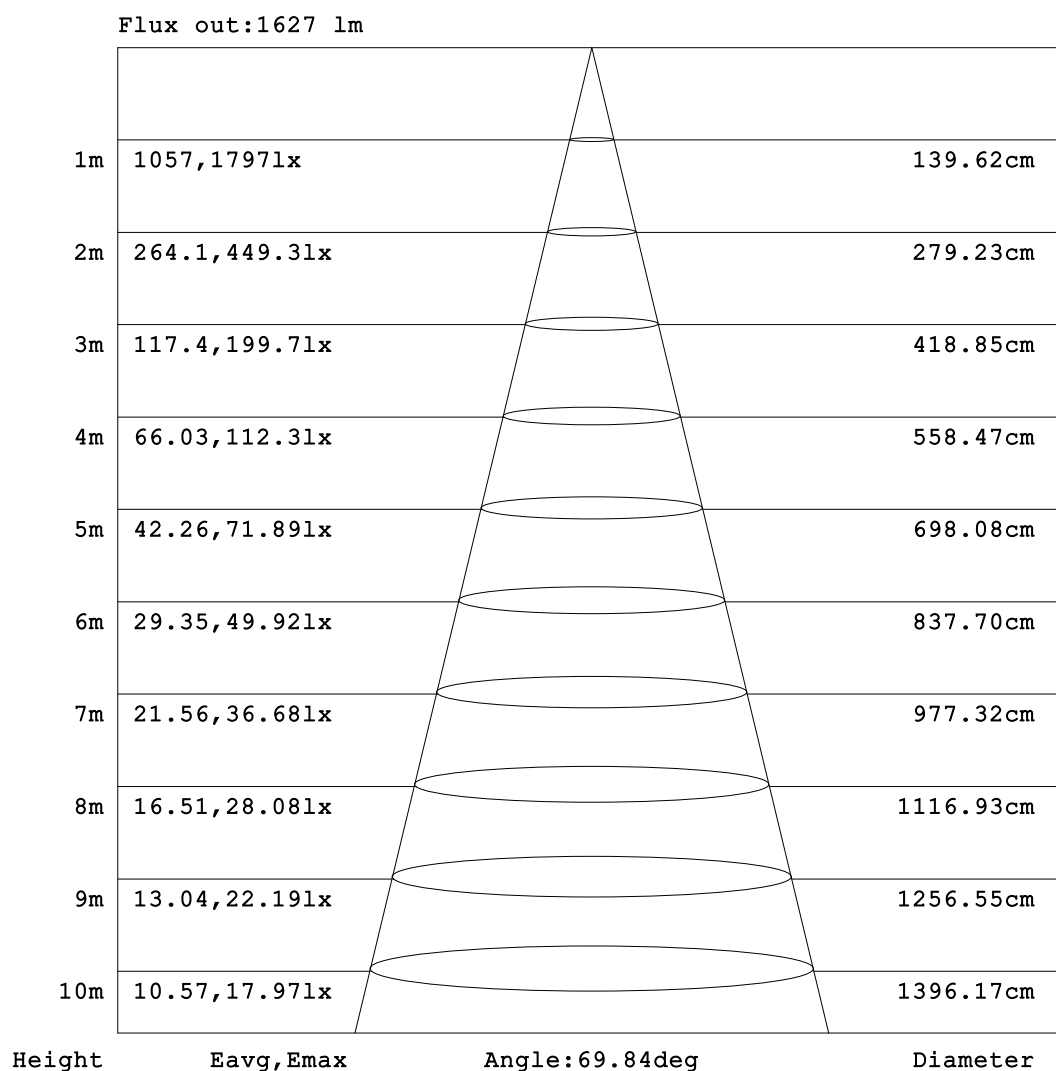


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2024-05-30

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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:



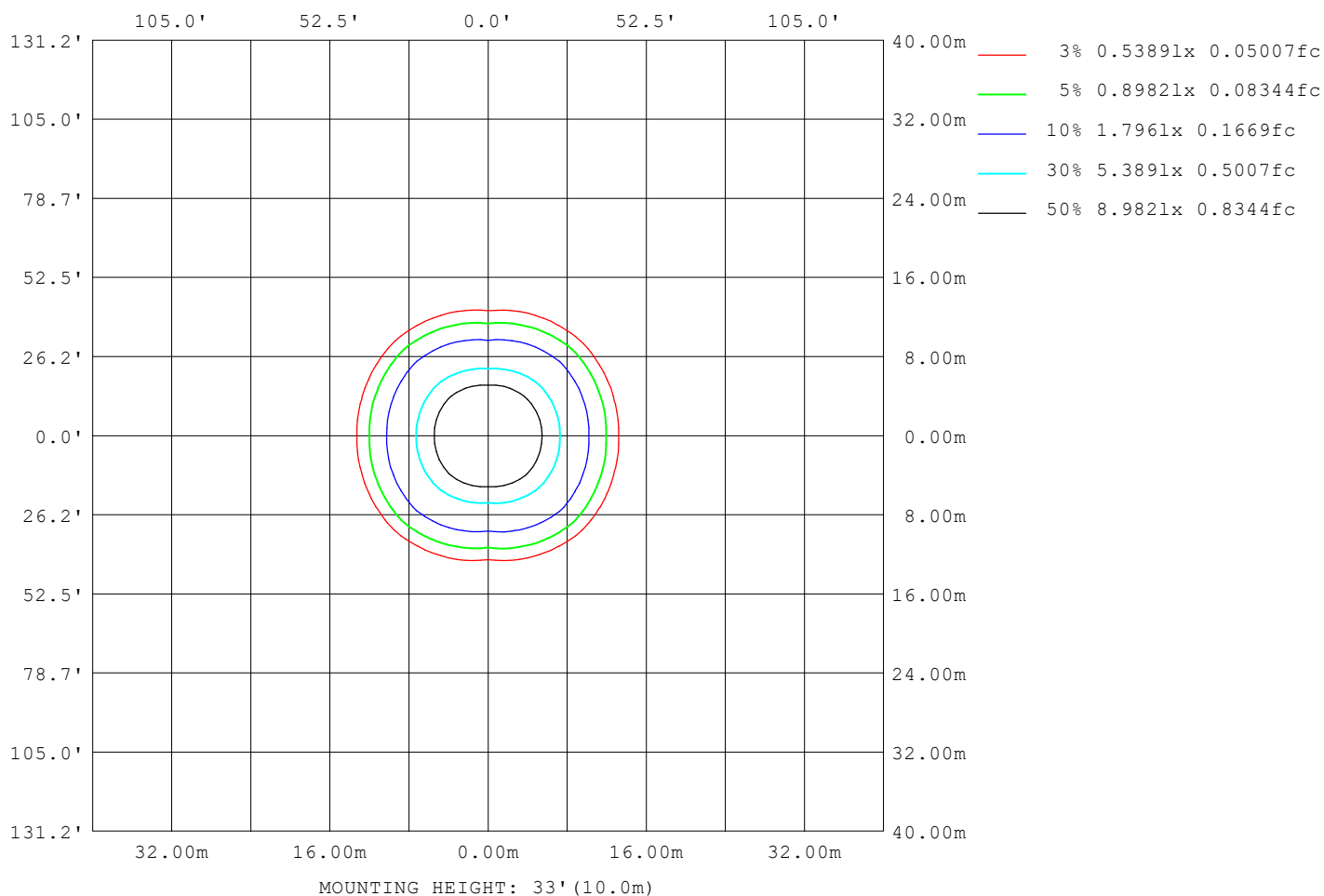
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.169*0.085	shielding angle:

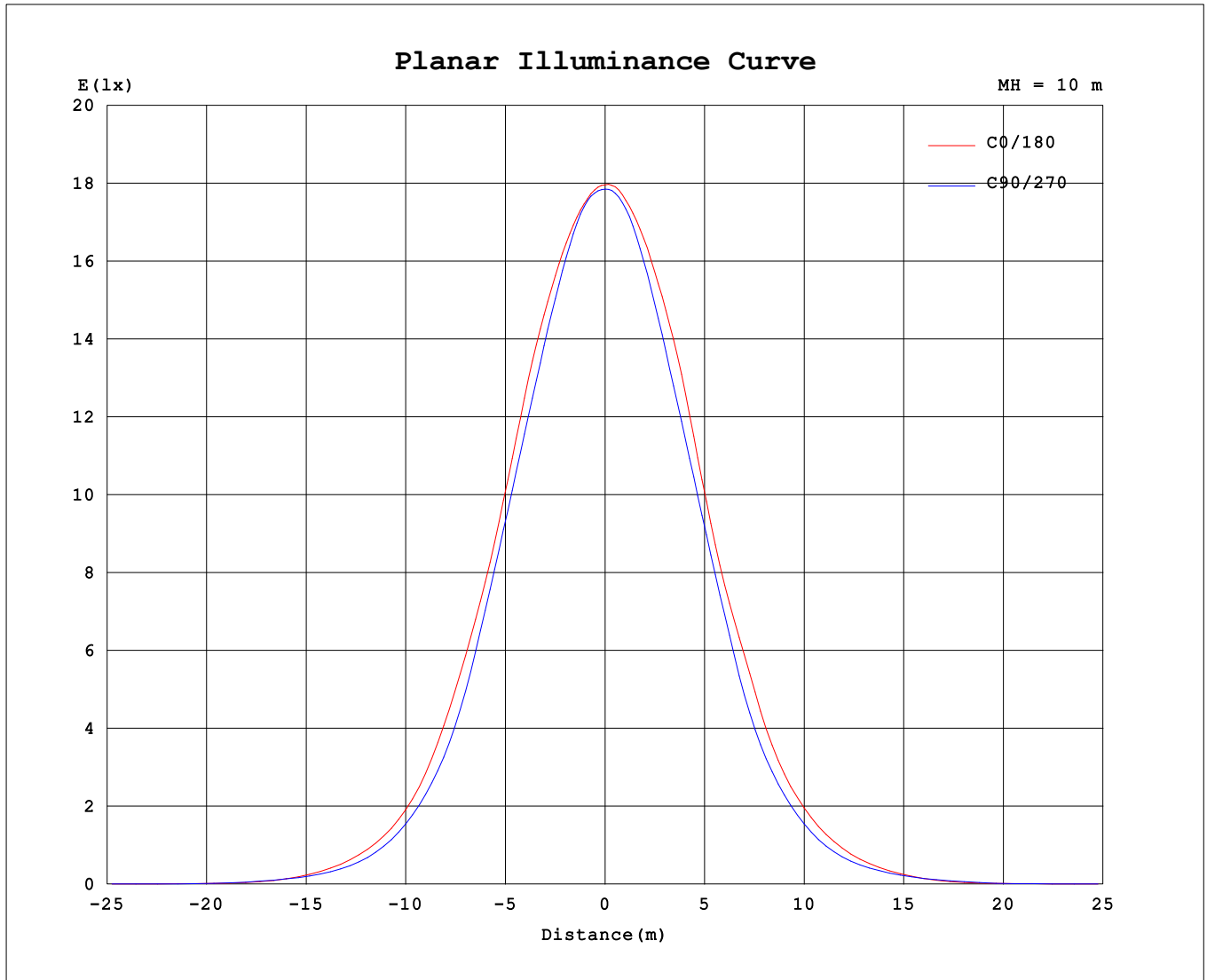
AvgL	cd/m2
L_0~180 (65) av	3655
L_0~180 (75) av	1625
L_0~180 (85) av	2808
L_90~270 (65) av	3190
L_90~270 (75) av	2942
L_90~270 (85) av	4516
L_45 (65) av	3685
L_45 (75) av	2053
L_45 (85) av	3576

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:240.24V I:0.1400A P:32.216W PF:0.9577 Freq:49.99Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 2565.5x1 lm		
Name: SL32W-CC	Type: 32W	Weight:
SPEC.: 3000K	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:

```