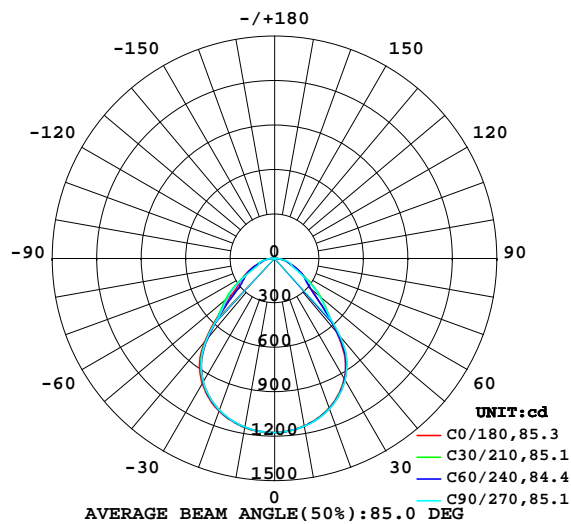


## LUMINAIRE PHOTOMETRIC TEST REPORT

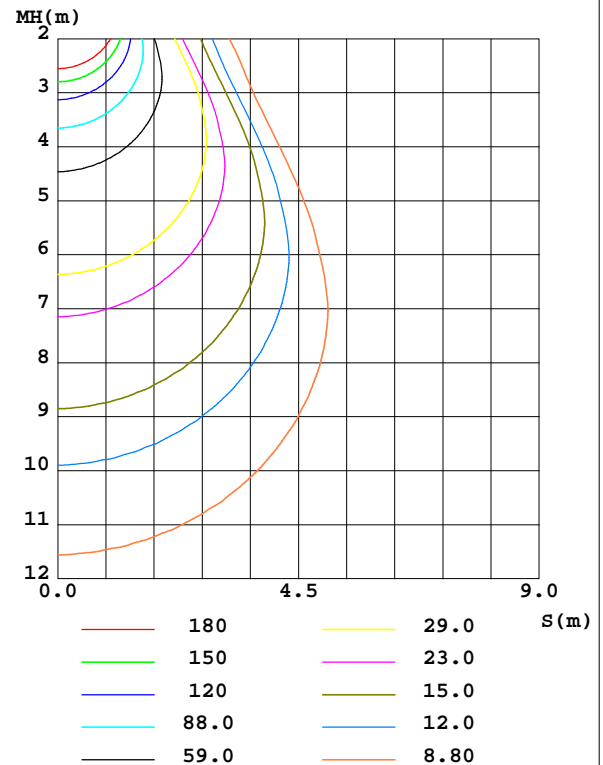
Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 101.79 lm/W
MODEL		Imax(cd)	1176	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.22	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2397.8	$\eta$ UP,DN(C0-180)	0.5,48.7	
NOMINAL FLUX(lm)	2397.83	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.4,50.4	
LAMPS INSIDE	1	$\eta$ up(%)	0.9	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	229.5	$\eta$ down(%)	99.1	CIBSE SHR MAX	1.25	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024 8.12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1146	1149	1150	1152	1158	1156	1155	1153	0- 10	111.1	111.1	4.63,4.63
20	1074	1077	1081	1083	1097	1091	1089	1085	10- 20	317.2	428.3	17.9,17.9
30	937.9	945.7	950.6	951.6	977.1	964.3	962.4	958.2	20- 30	473.2	901.5	37.6,37.6
40	652.7	669.6	688.4	690.0	737.6	709.5	713.7	707.7	30- 40	528.4	1430	59.6,59.6
50	320.6	361.0	396.4	375.6	373.1	383.8	414.1	378.6	40- 50	393.9	1824	76.1,76.1
60	218.6	213.6	198.1	216.1	242.1	224.9	217.9	218.1	50- 60	260.8	2085	86.9,86.9
70	115.8	115.5	118.1	118.2	134.0	124.0	111.9	120.8	60- 70	160.9	2245	93.6,93.6
80	53.53	55.39	58.49	59.08	67.49	67.20	67.18	62.91	70- 80	97.60	2343	97.7,97.7
90	0.4258	0.4160	0.3978	0.3865	4.039	0.9953	0.6977	0.6565	80- 90	33.40	2376	99.1,99.1
100	1.020	0.9601	0.9543	0.9176	0.8745	0.9181	0.9336	0.9530	90-100	0.7188	2377	99.1,99.1
110	2.032	1.952	1.880	1.863	1.716	1.798	1.822	1.892	100-110	1.455	2379	99.2,99.2
120	3.250	3.155	3.081	3.070	2.894	2.982	2.994	3.091	110-120	2.432	2381	99.3,99.3
130	4.423	4.337	4.272	4.249	4.047	4.122	4.160	4.245	120-130	3.252	2384	99.4,99.4
140	5.478	5.448	5.449	5.388	5.192	5.245	5.340	5.355	130-140	3.715	2388	99.6,99.6
150	6.348	6.365	6.432	6.339	6.114	6.161	6.367	6.261	140-150	3.657	2392	99.7,99.7
160	7.150	7.274	7.331	7.274	6.978	7.076	7.368	7.130	150-160	3.107	2395	99.9,99.9
170	8.626	8.707	8.621	8.717	8.425	8.530	8.723	8.589	160-170	2.203	2397	100,100
180	9.284	9.205	9.131	9.178	9.282	9.201	9.129	9.179	170-180	0.8531	2398	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 1649 lm

%lum = 68.8%

%lamp = 68.8%

Conical surface Flux(130deg): 2175.5 lm

%lum = 90.7%

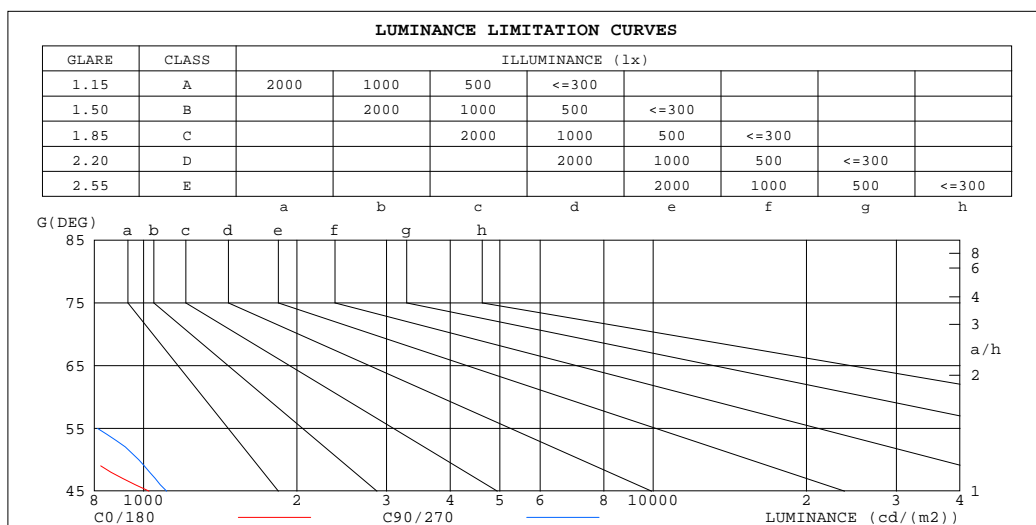
%lamp = 90.7%

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Mr.Ma  
Test Date: 2024 8.12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:6.100m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	427	537
80	489	535
75	532	591
70	537	548
65	622	527
60	694	629
55	726	812
50	791	979
45	1025	1111

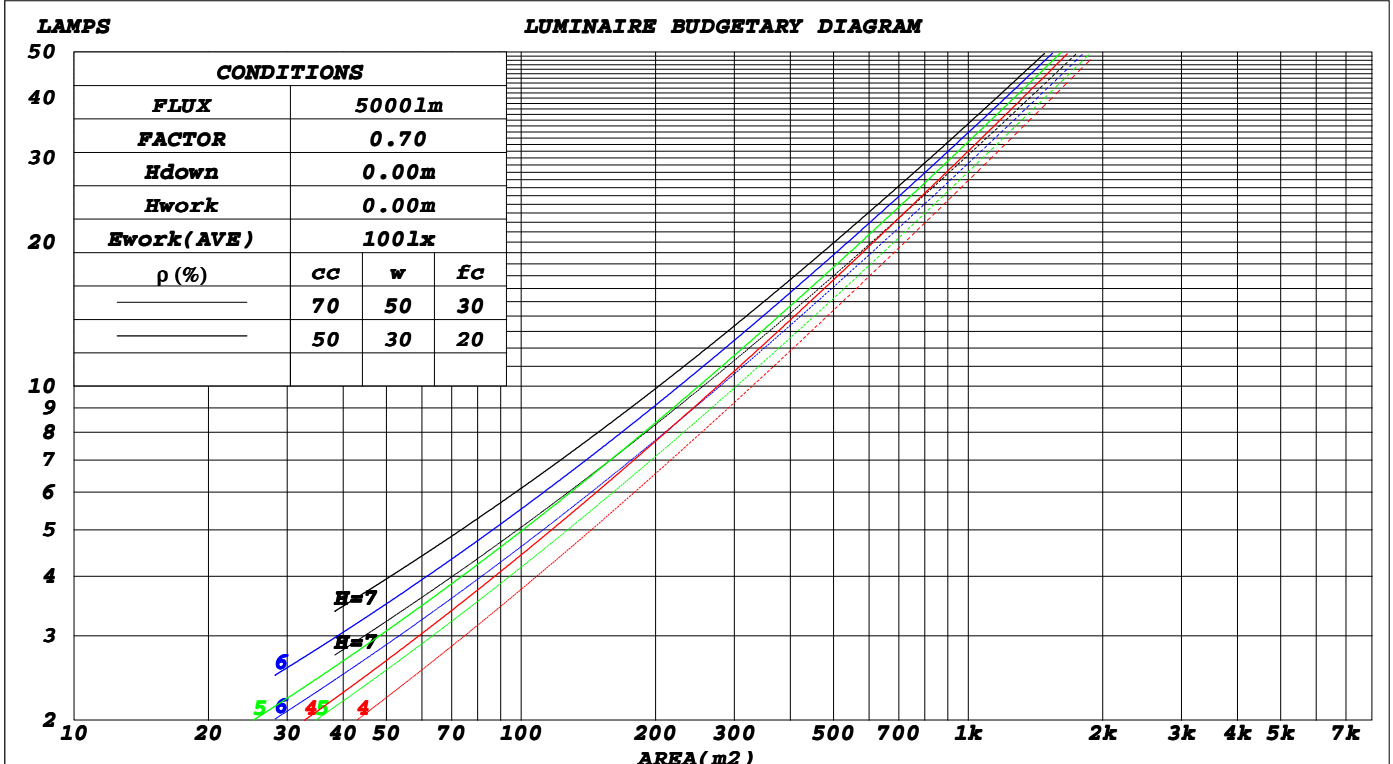
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024 8.12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.01	1.01	1.01	.99
1.0	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.95	.89	.84	.93	.87	.83	.89	.84	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.85	.78	.72	.83	.77	.71	.80	.75	.70	.77	.73	.69	.75	.71	.67	.65
4.0	.76	.69	.63	.75	.68	.62	.73	.66	.61	.70	.65	.60	.68	.63	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.55	.49	.60	.54	.49	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.55	.49	.44	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.40	.53	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024 8.12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

**WEC AND CCEC**

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0														
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
$\rho_{fc}$	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.265	.151	.048	.257	.147	.047	.244	.140	.045	.231	.134	.043	.220	.128	.041															
2.0	.250	.137	.042	.244	.135	.041	.232	.129	.040	.222	.124	.039	.211	.120	.038															
3.0	.234	.125	.037	.229	.123	.037	.218	.118	.036	.209	.114	.035	.200	.111	.034															
4.0	.219	.114	.033	.214	.112	.033	.205	.109	.032	.196	.105	.032	.188	.102	.031															
5.0	.204	.104	.030	.200	.103	.030	.192	.100	.029	.184	.097	.029	.177	.095	.028															
6.0	.192	.096	.027	.188	.095	.027	.180	.092	.027	.174	.090	.027	.167	.088	.026															
7.0	.180	.089	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024															
8.0	.169	.083	.023	.166	.082	.023	.161	.080	.023	.155	.079	.023	.150	.077	.022															
9.0	.160	.077	.022	.157	.077	.021	.152	.075	.021	.147	.074	.021	.142	.072	.021															
10.0	.151	.073	.020	.149	.072	.020	.144	.071	.020	.140	.069	.020	.135	.068	.020															

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.197	.197	.197	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.184	.163	.145	.157	.140	.125	.108	.096	.086	.062	.056	.050	.020	.018	.016	
2.0	.174	.139	.110	.149	.120	.095	.102	.083	.066	.059	.048	.039	.019	.016	.013	
3.0	.165	.121	.086	.141	.104	.075	.097	.073	.052	.056	.042	.031	.018	.014	.010	
4.0	.156	.107	.070	.134	.093	.061	.092	.065	.043	.053	.038	.025	.017	.012	.008	
5.0	.149	.097	.058	.128	.084	.050	.088	.058	.036	.051	.034	.021	.016	.011	.007	
6.0	.142	.088	.049	.122	.076	.043	.084	.053	.030	.049	.031	.018	.016	.010	.006	
7.0	.135	.081	.043	.116	.070	.037	.080	.049	.026	.047	.029	.016	.015	.009	.005	
8.0	.129	.075	.038	.111	.065	.033	.077	.046	.023	.045	.027	.014	.014	.009	.005	
9.0	.124	.070	.034	.107	.061	.030	.074	.043	.021	.043	.025	.013	.014	.008	.004	
10.0	.118	.066	.031	.102	.057	.027	.071	.040	.019	.041	.024	.011	.013	.008	.004	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3℃**  
**Operators:Mr.Ma**  
**Test Date: 2024 8.12**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.100m [K=1.0000]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm										
NAME: LED346 (22W 3000K) Uplight off					TYPE: 调光双色暖白白色			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			Shielding Angle:		
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>8.1</b>	<b>9.4</b>	<b>8.3</b>	<b>9.6</b>	<b>9.8</b>	<b>7.9</b>	<b>9.3</b>	<b>8.2</b>	<b>9.5</b>	<b>9.7</b>
<b>3H</b>	<b>8.9</b>	<b>10.1</b>	<b>9.2</b>	<b>10.3</b>	<b>10.6</b>	<b>8.8</b>	<b>10.0</b>	<b>9.1</b>	<b>10.2</b>	<b>10.5</b>
<b>4H</b>	<b>9.3</b>	<b>10.4</b>	<b>9.6</b>	<b>10.7</b>	<b>11.0</b>	<b>9.3</b>	<b>10.4</b>	<b>9.6</b>	<b>10.7</b>	<b>10.9</b>
<b>6H</b>	<b>9.6</b>	<b>10.7</b>	<b>10.0</b>	<b>11.0</b>	<b>11.3</b>	<b>9.7</b>	<b>10.8</b>	<b>10.0</b>	<b>11.0</b>	<b>11.3</b>
<b>8H</b>	<b>9.7</b>	<b>10.8</b>	<b>10.1</b>	<b>11.1</b>	<b>11.4</b>	<b>9.8</b>	<b>10.9</b>	<b>10.2</b>	<b>11.2</b>	<b>11.5</b>
<b>12H</b>	<b>9.8</b>	<b>10.8</b>	<b>10.2</b>	<b>11.1</b>	<b>11.4</b>	<b>9.9</b>	<b>11.0</b>	<b>10.3</b>	<b>11.3</b>	<b>11.6</b>
<b>4H 2H</b>	<b>8.3</b>	<b>9.5</b>	<b>8.6</b>	<b>9.7</b>	<b>10.0</b>	<b>8.2</b>	<b>9.4</b>	<b>8.6</b>	<b>9.7</b>	<b>9.9</b>
<b>3H</b>	<b>9.4</b>	<b>10.4</b>	<b>9.7</b>	<b>10.7</b>	<b>11.0</b>	<b>9.3</b>	<b>10.3</b>	<b>9.7</b>	<b>10.6</b>	<b>10.9</b>
<b>4H</b>	<b>9.9</b>	<b>10.9</b>	<b>10.3</b>	<b>11.2</b>	<b>11.5</b>	<b>10.0</b>	<b>10.9</b>	<b>10.3</b>	<b>11.2</b>	<b>11.6</b>
<b>6H</b>	<b>10.4</b>	<b>11.2</b>	<b>10.8</b>	<b>11.6</b>	<b>12.0</b>	<b>10.5</b>	<b>11.3</b>	<b>10.9</b>	<b>11.7</b>	<b>12.1</b>
<b>8H</b>	<b>10.6</b>	<b>11.4</b>	<b>11.0</b>	<b>11.7</b>	<b>12.1</b>	<b>10.7</b>	<b>11.5</b>	<b>11.2</b>	<b>11.9</b>	<b>12.3</b>
<b>12H</b>	<b>10.7</b>	<b>11.4</b>	<b>11.2</b>	<b>11.8</b>	<b>12.2</b>	<b>10.9</b>	<b>11.6</b>	<b>11.4</b>	<b>12.0</b>	<b>12.4</b>
<b>8H 4H</b>	<b>10.2</b>	<b>10.9</b>	<b>10.6</b>	<b>11.3</b>	<b>11.7</b>	<b>10.2</b>	<b>10.9</b>	<b>10.6</b>	<b>11.3</b>	<b>11.7</b>
<b>6H</b>	<b>10.8</b>	<b>11.4</b>	<b>11.2</b>	<b>11.8</b>	<b>12.3</b>	<b>10.9</b>	<b>11.5</b>	<b>11.3</b>	<b>11.9</b>	<b>12.4</b>
<b>8H</b>	<b>11.0</b>	<b>11.6</b>	<b>11.5</b>	<b>12.0</b>	<b>12.5</b>	<b>11.2</b>	<b>11.8</b>	<b>11.7</b>	<b>12.2</b>	<b>12.7</b>
<b>12H</b>	<b>11.3</b>	<b>11.7</b>	<b>11.8</b>	<b>12.2</b>	<b>12.7</b>	<b>11.5</b>	<b>12.0</b>	<b>12.0</b>	<b>12.4</b>	<b>12.9</b>
<b>12H 4H</b>	<b>10.2</b>	<b>10.9</b>	<b>10.6</b>	<b>11.3</b>	<b>11.7</b>	<b>10.2</b>	<b>10.9</b>	<b>10.6</b>	<b>11.3</b>	<b>11.7</b>
<b>6H</b>	<b>10.8</b>	<b>11.4</b>	<b>11.3</b>	<b>11.8</b>	<b>12.3</b>	<b>10.9</b>	<b>11.5</b>	<b>11.4</b>	<b>11.9</b>	<b>12.4</b>
<b>8H</b>	<b>11.2</b>	<b>11.6</b>	<b>11.6</b>	<b>12.1</b>	<b>12.6</b>	<b>11.3</b>	<b>11.8</b>	<b>11.8</b>	<b>12.2</b>	<b>12.7</b>
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	<b>+ 0.4 / - 0.5</b>					<b>+ 0.4 / - 0.4</b>				
<b>1.5H</b>	<b>+ 0.4 / - 0.5</b>					<b>+ 0.5 / - 0.2</b>				
<b>2.0H</b>	<b>+ 0.6 / - 0.7</b>					<b>+ 0.6 / - 0.6</b>				

CIE Pub.117, 2398 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 3.0$ )  
Area: 0.63 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Mr.Ma  
Test Date: 2024 8.12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:6.100m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

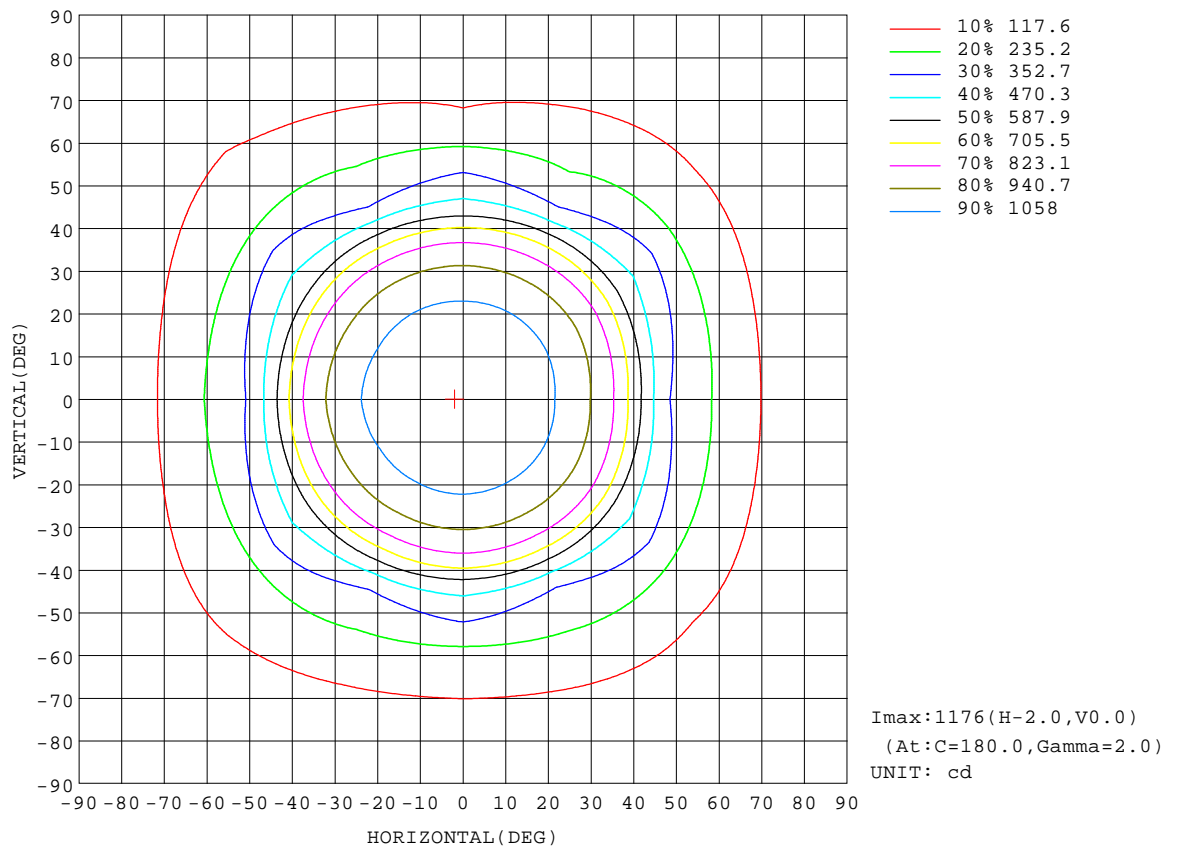
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	56	50	66	56	50	65	56	50	45
0.80	76	66	60	75	66	60	73	65	59	53
1.00	84	74	68	82	74	68	80	74	67	61
1.25	90	81	75	88	80	75	86	79	74	68
1.50	94	86	80	92	85	80	90	83	78	72
2.00	100	93	87	98	91	86	94	89	85	78
2.50	103	96	91	101	95	90	97	92	88	81
3.00	105	100	95	103	98	94	99	95	92	84
4.00	109	104	100	106	102	99	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3℃  
**Operators:** Mr.Ma  
**Test Date:** 2024 8.12

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
**Humidity:** 65.0%  
**Test Distance:** 6.100m [K=1.0000]  
**Remarks:**

## ISOCANDELA DIAGRAM

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024 8.12

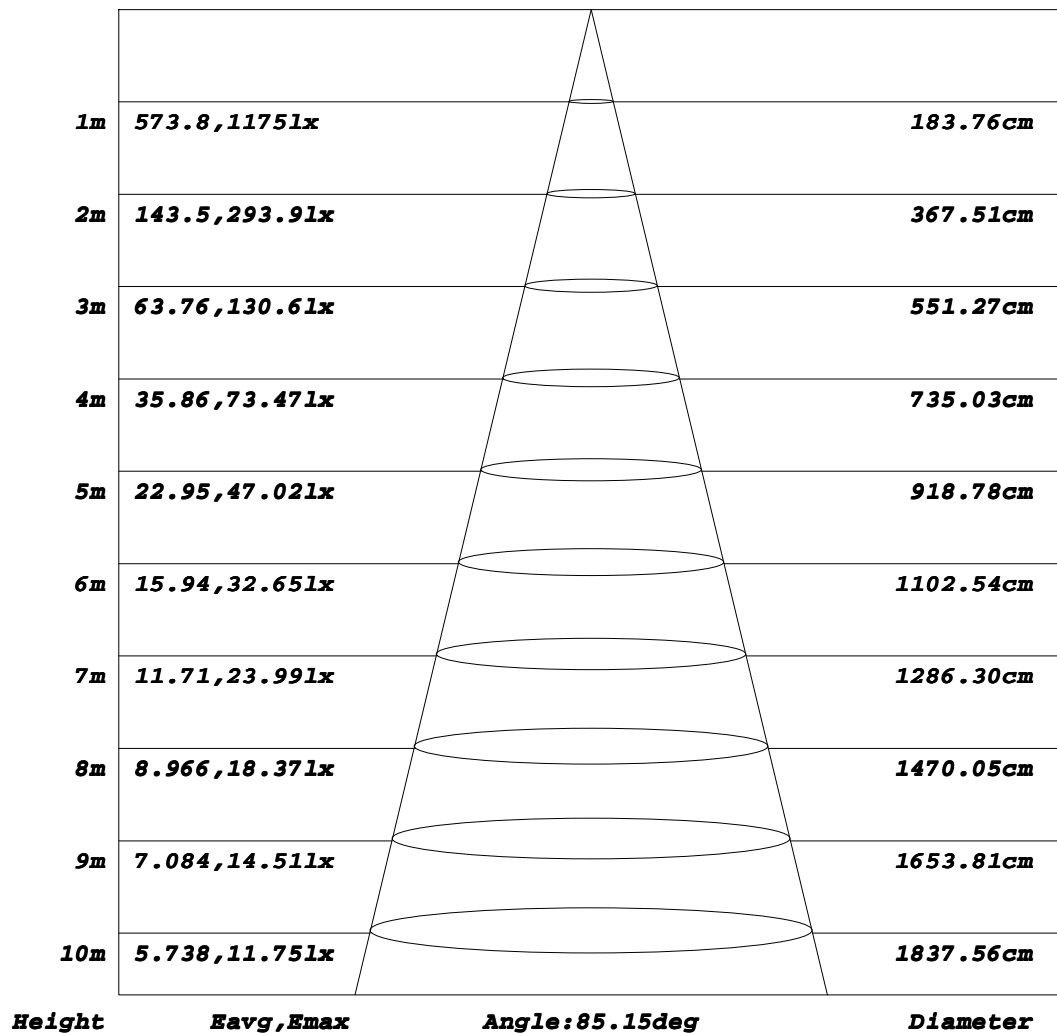
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1568 lm



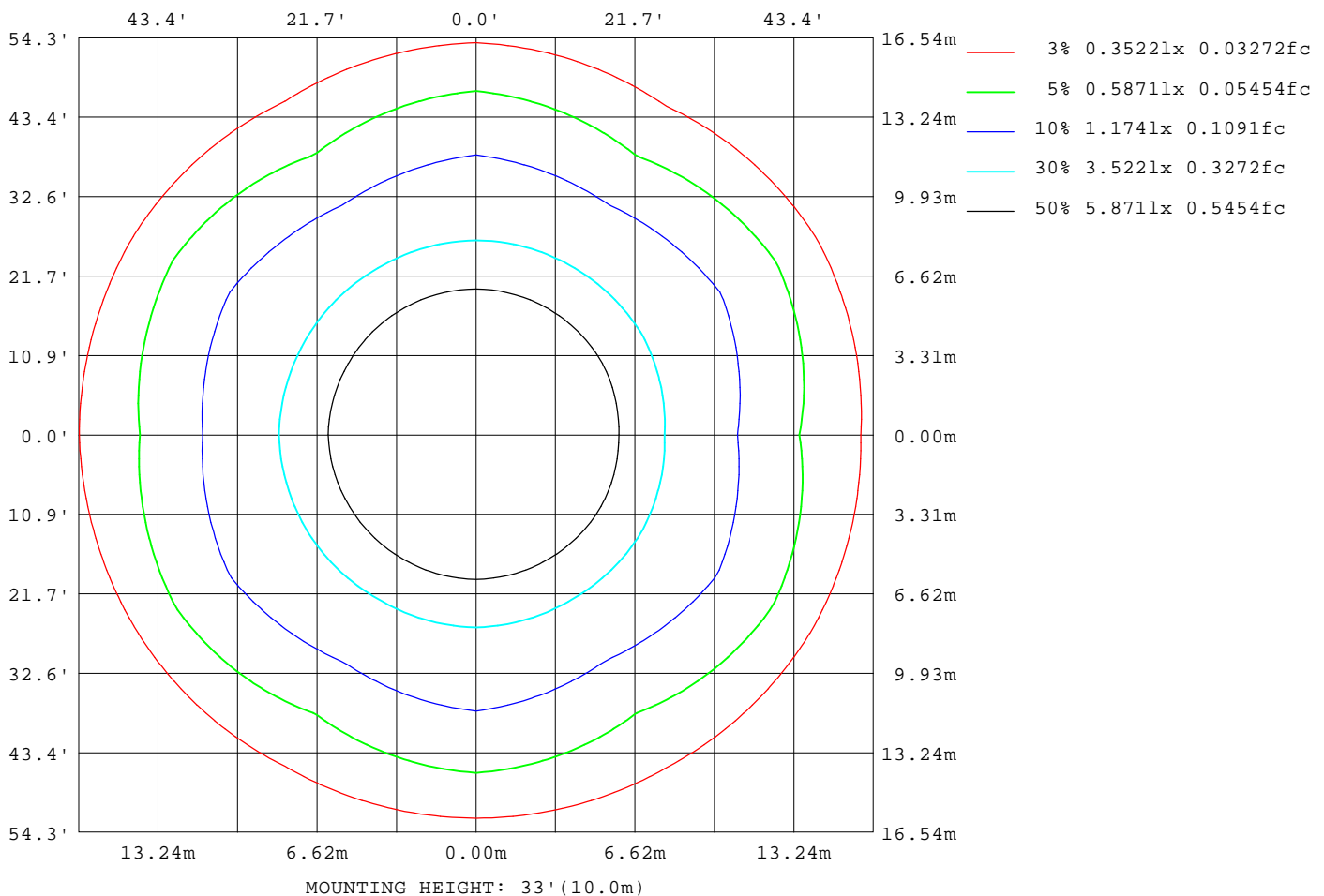
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024 8.12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024 8.12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm		
NAME: LED346 (22W 3000K) Uplight off	TYPE: 调光双色暖白白色	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

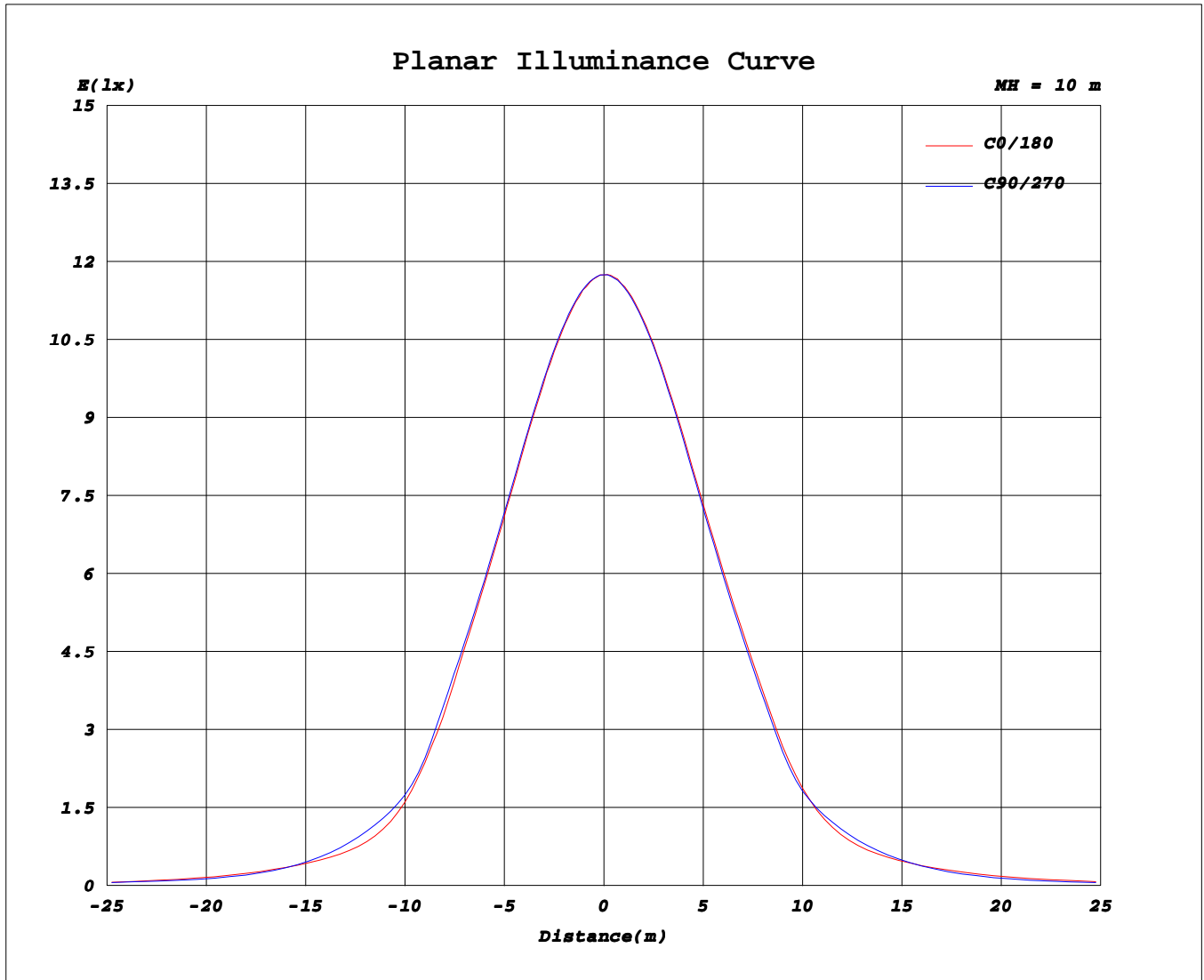
AvgL	cd/m2
L_0~180(65)av	663
L_0~180(75)av	559
L_0~180(85)av	562
L_90~270(65)av	534
L_90~270(75)av	609
L_90~270(85)av	609
L_45(65)av	599
L_45(75)av	572
L_45(85)av	582

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3℃  
Operators: Mr.Ma  
Test Date: 2024 8.12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024 8.12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.06V I:0.1048A P:23.556W PF:0.9769 Freq:50.00Hz Lamp Flux:2397.83x1 lm																	
NAME: LED346 (22W 3000K) Uplight off									TYPE: 调光双色暖白白色						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(°) \ γ (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1175	1175	1175	1175	1175	1175	1175	1175	1175	1175	1175	1175						
5	1165	1167	1167	1168	1168	1169	1171	1171	1171	1170	1170	1168						
10	1146	1149	1149	1150	1150	1153	1158	1156	1156	1155	1154	1151						
15	1116	1118	1120	1122	1122	1124	1133	1130	1130	1129	1127	1124						
20	1074	1076	1078	1081	1081	1084	1097	1091	1091	1089	1088	1083						
25	1015	1021	1022	1025	1024	1029	1045	1036	1037	1035	1033	1029						
30	938	946	945	951	946	957	977	966	963	962	959	958						
35	831	848	842	851	843	862	885	870	864	865	860	861						
40	653	677	662	688	672	708	738	718	701	714	708	707						
45	457	503	455	495	469	529	531	530	497	515	493	530						
50	321	409	313	396	321	430	373	436	331	414	330	427						
55	262	309	257	293	257	322	292	335	261	314	255	323						
60	219	209	219	198	216	216	242	227	222	218	215	222						
65	166	142	167	140	165	146	187	150	179	144	176	150						
70	116	114	117	118	115	121	134	124	124	112	125	117						
75	86.8	91.8	89.0	96.4	87.1	102	95.4	106	89.8	102	85.3	98.4						
80	53.5	52.7	58.1	58.5	56.4	61.7	67.5	68.3	66.1	67.2	63.5	62.3						
85	23.5	27.4	28.4	29.5	26.6	33.6	38.2	37.6	35.6	37.4	34.0	32.5						
90	0.43	0.42	0.42	0.40	0.40	0.38	4.04	1.17	0.83	0.70	0.79	0.52						
95	0.66	0.62	0.61	0.61	0.59	0.57	0.58	0.60	0.63	0.63	0.64	0.64						
100	1.02	0.96	0.96	0.95	0.93	0.90	0.87	0.91	0.93	0.93	0.94	0.97						
105	1.48	1.42	1.38	1.38	1.36	1.35	1.26	1.32	1.32	1.34	1.36	1.41						
110	2.03	1.99	1.91	1.88	1.87	1.86	1.72	1.80	1.79	1.82	1.86	1.93						
115	2.64	2.61	2.51	2.48	2.44	2.43	2.27	2.37	2.35	2.38	2.42	2.51						
120	3.25	3.18	3.13	3.08	3.08	3.06	2.89	2.99	2.98	2.99	3.06	3.12						
125	3.81	3.71	3.73	3.65	3.69	3.59	3.45	3.51	3.55	3.55	3.64	3.65						
130	4.42	4.30	4.37	4.27	4.29	4.21	4.05	4.07	4.18	4.16	4.26	4.23						
135	4.98	4.88	4.96	4.88	4.88	4.82	4.64	4.64	4.77	4.76	4.86	4.79						
140	5.48	5.42	5.48	5.45	5.41	5.37	5.19	5.17	5.32	5.34	5.40	5.31						
145	5.92	5.89	5.95	5.96	5.89	5.86	5.68	5.66	5.78	5.87	5.87	5.79						
150	6.35	6.33	6.40	6.43	6.35	6.33	6.11	6.12	6.20	6.37	6.29	6.24						
155	6.75	6.77	6.86	6.88	6.80	6.80	6.54	6.57	6.64	6.86	6.71	6.66						
160	7.15	7.24	7.31	7.33	7.28	7.27	6.98	7.03	7.12	7.37	7.16	7.10						
165	7.80	7.96	7.94	7.94	7.90	7.86	7.49	7.59	7.68	7.92	7.74	7.67						
170	8.63	8.73	8.69	8.62	8.73	8.70	8.42	8.45	8.61	8.72	8.66	8.52						
175	9.21	9.20	9.08	8.94	9.13	9.20	9.01	9.10	9.11	9.11	9.15	9.07						
180	9.28	9.29	9.12	9.13	9.20	9.16	9.28	9.27	9.13	9.13	9.20	9.16						

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature: 25.3°C

Operators: Mr.Ma

Test Date: 2024 8.12

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity: 65.0%

Test Distance: 6.100m [K=1.0000]

Remarks: