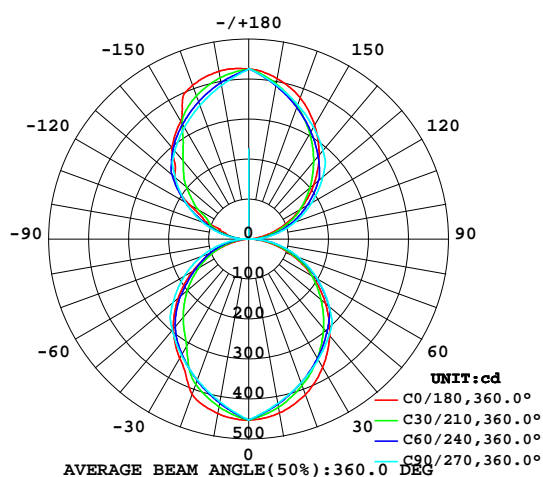


## LUMINAIRE PHOTOMETRIC TEST REPORT

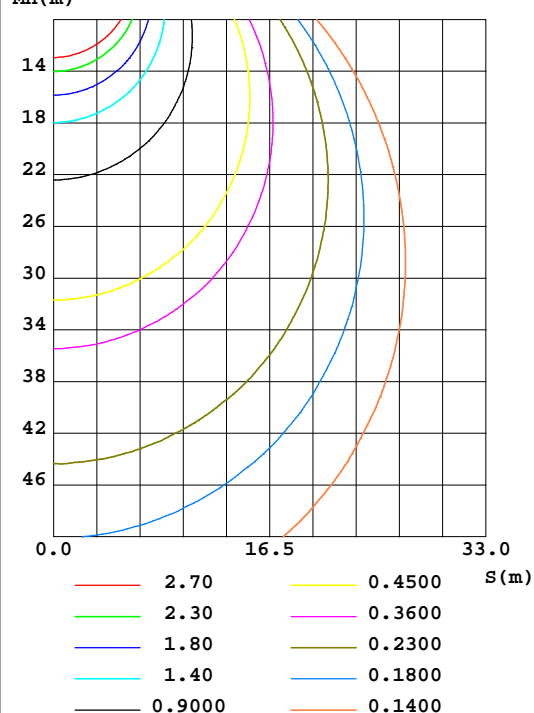
Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.68 lm/W			
MODEL		I <sub>max</sub> (cd)	452.9	S/MH(C0/180)	1.22
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2271.3	η UP,DN(C0-180)	24.5,26.2
NOMINAL FLUX(lm)	2271.3	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.1,25.2
LAMPS INSIDE	1	η up(%)	48.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.3	η down(%)	51.4	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



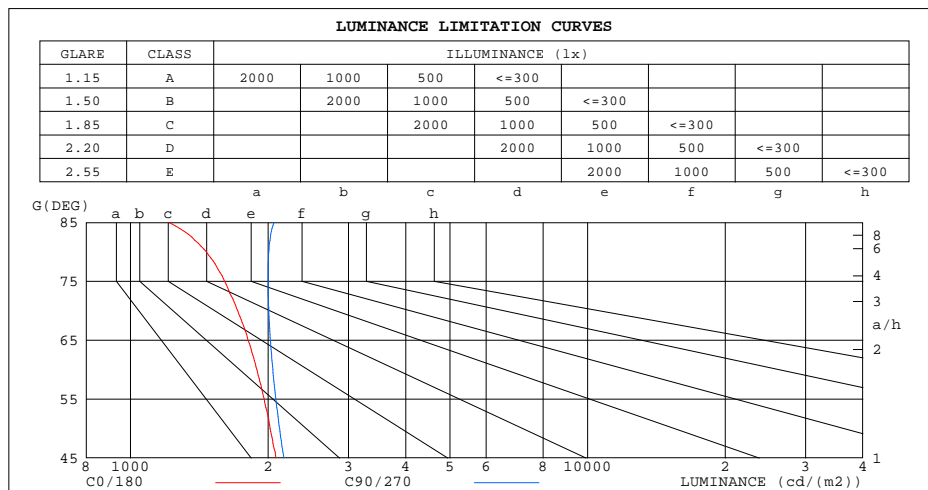
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:26.3DEG  
 Operators:Ethan  
 Test Date:2021-08-16

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
 Humidity:36%  
 Test Distance:6.770m [K=1.0000]  
 Remarks: 聚鑫德源 AI40D2C-421000  
 源磊A+ 13S5P/13S10P  
 E款 3:7

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\phi$ zone	$\phi$ total	$\phi$ lum, lamp
5	449.6	438.4	435.0	439.3	450.3	437.9	433.0	437.1	0- 5	10.62	10.62	0.47,0.47
10	441.6	422.4	417.6	423.5	443.2	420.7	413.6	419.8	5- 10	30.85	41.47	1.83,1.83
15	429.8	404.8	400.2	405.4	431.6	401.2	394.3	400.9	10- 15	49.24	90.71	3.99,3.99
20	414.2	384.9	382.8	385.9	413.3	380.2	374.9	380.3	15- 20	65.40	156.1	6.87,6.87
25	394.3	364.2	365.4	364.6	373.4	357.2	355.5	358.4	20- 25	78.76	234.9	10.3,10.3
30	369.8	342.9	348.0	339.7	345.5	325.9	336.2	336.2	25- 30	88.76	323.6	14.2,14.2
35	344.3	319.9	330.6	308.4	320.8	285.9	316.8	312.5	30- 35	96.05	419.7	18.5,18.5
40	315.2	296.9	313.2	275.5	293.7	252.1	297.4	289.3	35- 40	100.6	520.3	22.9,22.9
45	284.1	273.7	295.8	245.2	262.8	227.2	278.1	265.4	40- 45	102.5	622.8	27.4,27.4
50	251.1	250.8	263.2	218.5	230.3	203.4	247.4	242.1	45- 50	101.1	723.9	31.9,31.9
55	217.3	227.1	230.5	194.1	196.6	179.9	216.7	218.5	50- 55	95.92	819.8	36.1,36.1
60	182.6	192.1	197.9	163.6	161.7	151.7	186.0	185.0	55- 60	87.70	907.5	40.40
65	147.7	158.1	165.3	134.4	126.7	125.0	155.3	152.1	60- 65	77.10	984.6	43.4,43.4
70	113.4	125.5	132.6	105.9	91.36	98.68	124.6	120.8	65- 70	64.60	1049	46.2,46.2
75	80.37	93.94	99.98	78.57	58.35	73.61	93.91	90.44	70- 75	50.80	1100	48.4,48.4
80	49.14	63.48	67.34	52.33	27.38	49.19	63.22	60.88	75- 80	36.38	1136	50.50
85	20.44	33.79	34.70	26.75	4.063	25.60	32.52	32.02	80- 85	21.99	1158	51.51
90	4.272	4.540	2.063	1.575	2.155	2.440	1.831	3.583	85- 90	8.301	1167	51.4,51.4
95	2.543	28.44	32.07	27.73	31.74	25.89	31.72	27.64	90- 95	7.972	1175	51.7,51.7
100	25.05	52.79	62.08	54.41	51.92	49.84	61.61	52.12	95-100	20.79	1195	52.6,52.6
105	55.59	78.03	92.09	82.00	63.03	74.52	91.50	77.46	100-105	34.19	1230	54.1,54.1
110	85.23	104.3	122.1	111.4	85.77	100.5	121.4	104.0	105-110	47.56	1277	56.2,56.2
115	116.5	132.1	152.1	143.8	127.8	127.8	151.3	131.9	110-115	60.79	1338	58.9,58.9
120	148.5	160.9	182.1	179.3	168.4	153.8	181.2	161.4	115-120	72.78	1411	62.1,62.1
125	181.1	191.3	212.1	218.3	214.4	179.7	211.1	192.2	120-125	83.16	1494	65.8,65.8
130	213.1	213.7	242.1	243.8	241.7	207.3	241.0	214.6	125-130	90.97	1585	69.8,69.8
135	244.2	236.5	272.1	264.0	260.2	238.5	270.8	237.2	130-135	95.75	1681	74.74
140	274.0	259.6	289.3	286.5	298.8	275.8	288.0	260.2	135-140	97.22	1778	78.3,78.3
145	302.7	283.2	306.5	315.2	320.5	312.0	305.1	283.5	140-145	95.56	1873	82.5,82.5
150	330.0	306.7	323.7	336.1	340.4	334.7	322.2	306.7	145-150	91.20	1965	86.5,86.5
155	354.7	329.4	340.9	355.6	390.1	355.5	339.4	329.0	150-155	84.56	2049	90.2,90.2
160	376.6	350.8	358.0	374.2	409.8	372.8	356.5	350.0	155-160	74.78	2124	93.5,93.5
165	393.7	371.5	375.2	390.2	420.1	388.8	373.6	370.6	160-165	61.79	2186	96.2,96.2
170	408.0	391.8	392.4	404.8	426.4	403.4	390.8	390.3	165-170	46.44	2232	98.3,98.3
175	419.9	410.2	409.6	416.9	427.8	415.3	407.9	408.3	170-175	29.07	2261	99.6,99.6
180	426.7	426.7	426.7	426.7	425.0	425.0	425.0	425.0	175-180	9.995	2271	100.100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	1214	2061
80	1465	2007
75	1607	1999
70	1716	2007
65	1808	2024
60	1890	2049
55	1961	2080
50	2022	2119
45	2079	2165

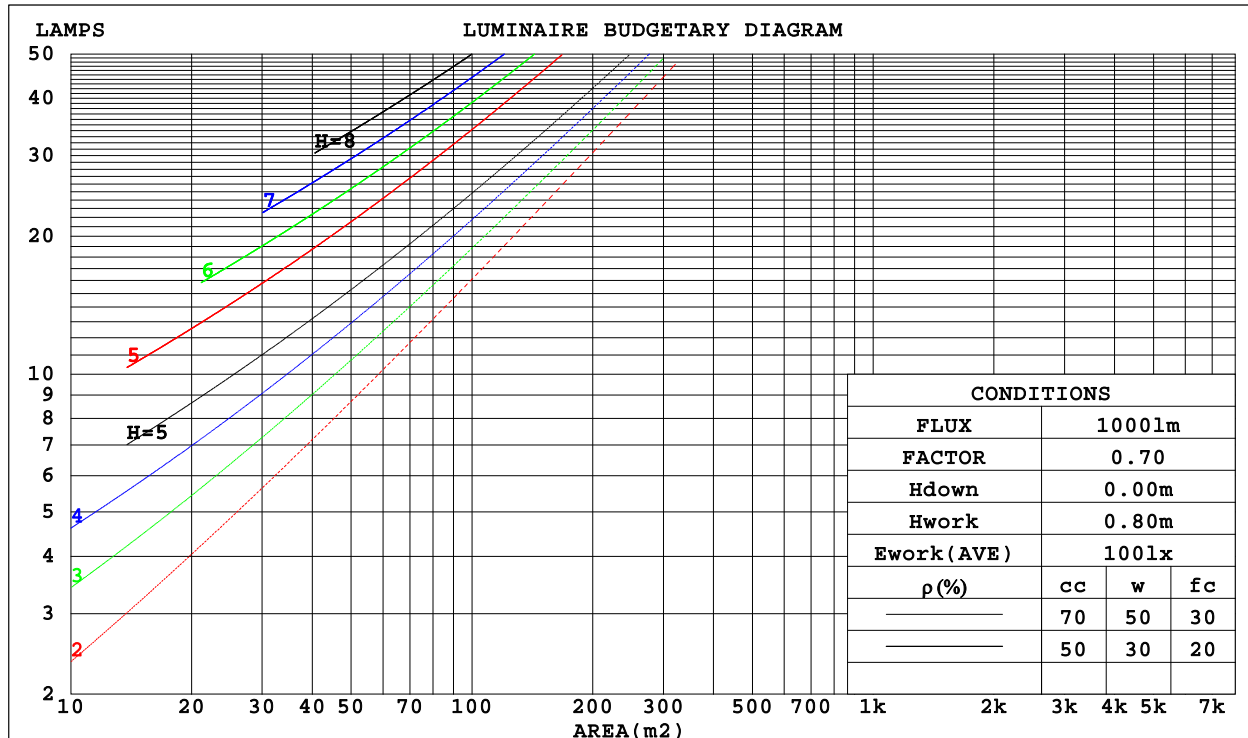
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 26.3DEG  
Operators: Ethan  
Test Date: 2021-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity: 36%  
Test Distance: 6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
E款 3:7

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION 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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.93	.89	.86	.86	.83	.80	.73	.71	.68	.61	.59	.58	.50	.49	.48	.43
2.0	.81	.75	.70	.75	.70	.65	.64	.60	.56	.54	.51	.48	.44	.42	.40	.35
3.0	.71	.64	.58	.66	.60	.54	.56	.51	.47	.47	.44	.40	.39	.36	.34	.30
4.0	.63	.55	.49	.58	.51	.46	.50	.44	.40	.42	.38	.35	.35	.32	.29	.25
5.0	.56	.48	.42	.52	.45	.39	.45	.39	.35	.38	.33	.30	.31	.28	.25	.22
6.0	.50	.42	.36	.47	.39	.34	.40	.34	.30	.34	.30	.26	.28	.25	.22	.19
7.0	.45	.37	.32	.42	.35	.30	.36	.31	.26	.31	.26	.23	.26	.22	.20	.17
8.0	.41	.33	.28	.38	.31	.26	.33	.28	.23	.28	.24	.21	.24	.20	.18	.15
9.0	.38	.30	.25	.35	.28	.24	.30	.25	.21	.26	.22	.18	.22	.18	.16	.14
10.0	.34	.27	.22	.32	.26	.21	.28	.23	.19	.24	.20	.17	.20	.17	.14	.12



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 26.3DEG  
 Operators: Ethan  
 Test Date: 2021-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
 Humidity: 36%  
 Test Distance: 6.770m [K=1.0000]  
 Remarks: 聚鑫德源 AI40D2C-421000  
 源磊A+ 13S5P/13S10P  
 E款 3:7

## WEC AND CCEC

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION 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	.288	.164	.052	.267	.152	.048	.226	.130	.041	.189	.109	.035	.154	.089	.029	
2.0	.267	.146	.045	.247	.136	.042	.210	.117	.036	.176	.099	.031	.144	.082	.026	
3.0	.246	.131	.039	.228	.122	.037	.194	.105	.032	.163	.089	.027	.134	.074	.023	
4.0	.227	.118	.035	.210	.110	.033	.179	.095	.028	.151	.081	.024	.124	.067	.020	
5.0	.210	.107	.031	.195	.100	.029	.166	.087	.025	.140	.074	.022	.115	.061	.018	
6.0	.195	.098	.028	.181	.091	.026	.155	.079	.023	.130	.068	.020	.107	.056	.017	
7.0	.182	.090	.025	.169	.084	.024	.144	.073	.021	.121	.062	.018	.100	.052	.015	
8.0	.170	.083	.023	.158	.078	.022	.135	.068	.019	.114	.058	.017	.094	.048	.014	
9.0	.159	.077	.022	.148	.072	.020	.127	.063	.018	.107	.054	.015	.088	.045	.013	
10.0	.150	.072	.020	.140	.067	.019	.120	.059	.017	.101	.050	.014	.083	.042	.012	

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	.561	.561	.561	.479	.479	.479	.327	.327	.327	.188	.188	.188	.060	.060	.060		
1.0	.552	.530	.510	.473	.455	.439	.323	.313	.303	.186	.181	.176	.060	.058	.057		
2.0	.545	.508	.477	.467	.437	.412	.320	.303	.288	.184	.176	.169	.059	.057	.055		
3.0	.538	.492	.456	.461	.425	.395	.317	.295	.277	.183	.172	.163	.059	.056	.054		
4.0	.531	.480	.441	.456	.415	.383	.313	.289	.270	.181	.169	.160	.058	.055	.053		
5.0	.525	.471	.431	.450	.407	.375	.310	.285	.265	.180	.167	.157	.058	.055	.052		
6.0	.518	.463	.424	.445	.401	.369	.307	.281	.261	.178	.165	.155	.058	.054	.051		
7.0	.512	.457	.419	.441	.396	.365	.304	.278	.259	.177	.164	.154	.057	.054	.051		
8.0	.506	.452	.415	.436	.392	.362	.302	.275	.256	.175	.162	.153	.057	.053	.051		
9.0	.501	.448	.412	.432	.388	.359	.299	.273	.255	.174	.161	.152	.056	.053	.050		
10.0	.496	.444	.409	.428	.385	.357	.297	.271	.254	.173	.160	.151	.056	.053	.050		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:26.3DEG  
 Operators:Ethan  
 Test Date:2021-08-16

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
 Humidity:36%  
 Test Distance:6.770m [K=1.0000]  
 Remarks: 聚鑫德源 AI40D2C-421000  
 源磊A+ 13S5P/13S10P  
 E款 3:7

## Uncorrected UGR Table

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm											
NAME: 二代线条灯					TYPE:上下发光 白色外壳			WEIGHT:			
DIM.: 2FT					SPEC.:3000K			SERIAL No.:YQ2107-7			
MFR.: YQ					SUR.:0.171*1.13m			PROTECTION 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	11.9	12.8	12.7	13.7	14.7	12.6	13.5	13.4	14.4	15.4	
	3H	13.2	14.1	14.1	15.0	16.1	14.2	15.0	15.1	15.9	17.0
	4H	13.8	14.6	14.7	15.5	16.6	14.9	15.7	15.8	16.6	17.7
	6H	14.2	14.9	15.1	15.8	17.0	15.5	16.2	16.4	17.1	18.3
	8H	14.3	15.0	15.2	15.9	17.1	15.7	16.4	16.6	17.3	18.5
	12H	14.3	15.0	15.2	15.9	17.1	15.9	16.6	16.8	17.5	18.7
4H	2H	12.5	13.3	13.4	14.2	15.3	13.0	13.8	13.9	14.7	15.8
	3H	14.0	14.7	15.0	15.6	16.8	14.8	15.5	15.7	16.4	17.6
	4H	14.7	15.3	15.6	16.3	17.5	15.7	16.3	16.6	17.2	18.4
	6H	15.2	15.7	16.2	16.7	17.9	16.4	16.9	17.3	17.9	19.1
	8H	15.4	15.9	16.3	16.8	18.1	16.7	17.2	17.7	18.1	19.4
	12H	15.5	15.9	16.5	16.9	18.2	16.9	17.4	17.9	18.3	19.6
8H	4H	15.0	15.5	16.0	16.5	17.7	15.8	16.3	16.8	17.3	18.5
	6H	15.7	16.1	16.7	17.1	18.4	16.7	17.1	17.7	18.1	19.4
	8H	16.0	16.3	17.0	17.3	18.6	17.2	17.5	18.2	18.5	19.8
	12H	16.2	16.5	17.2	17.5	18.8	17.5	17.8	18.5	18.8	20.1
12H	4H	15.0	15.5	16.0	16.4	17.7	15.8	16.2	16.8	17.2	18.5
	6H	15.8	16.1	16.8	17.1	18.4	16.8	17.1	17.8	18.1	19.4
	8H	16.1	16.4	17.1	17.4	18.8	17.2	17.5	18.3	18.6	19.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.1					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.2					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 2271 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.9)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:26.3DEG  
 Operators:Ethan  
 Test Date:2021-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
 Humidity:36%  
 Test Distance:6.770m [K=1.0000]  
 Remarks: 聚鑫德源 AI40D2C-421000  
 源磊A+ 13S5P/13S10P  
 E款 3:7

## UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

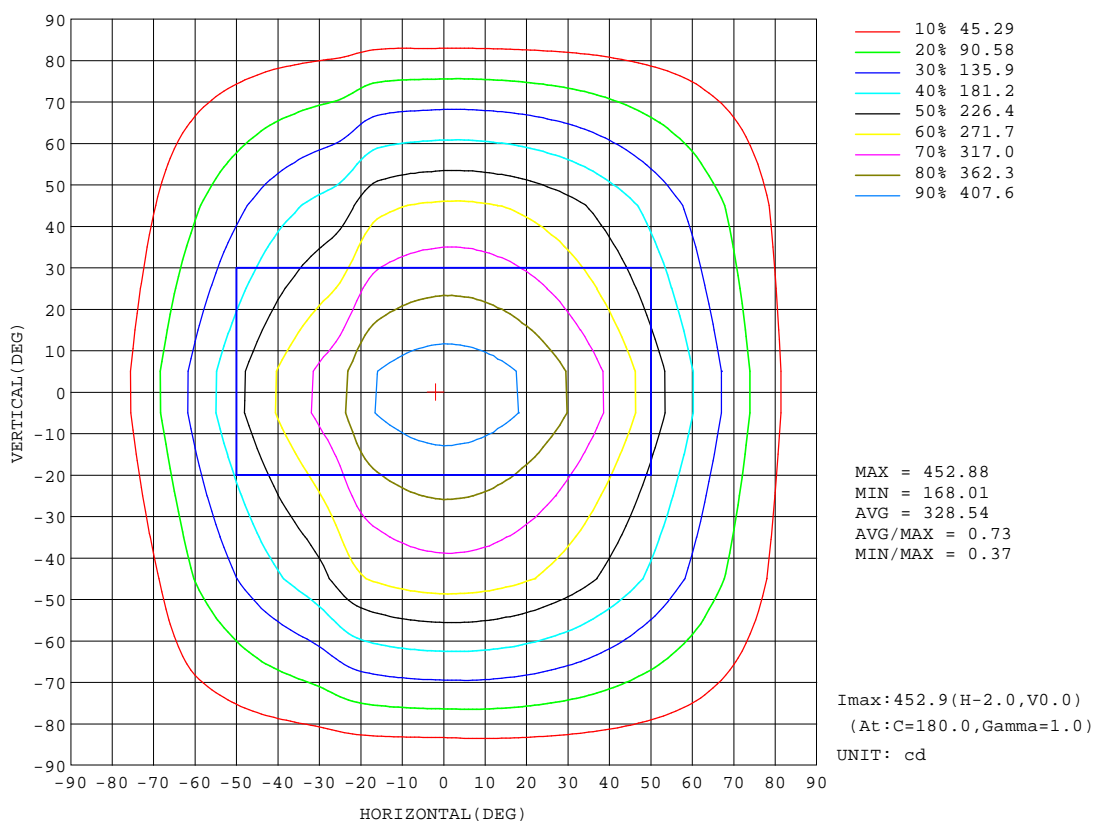
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	33	27	42	32	26	38	29	24	17
0.80	54	42	35	50	40	34	45	36	31	21
1.00	61	50	42	58	47	41	50	44	37	25
1.25	68	57	50	64	54	47	56	48	43	29
1.50	73	63	55	68	59	53	59	52	47	32
2.00	81	71	64	75	67	61	65	58	54	36
2.50	85	76	70	79	71	66	68	62	58	38
3.00	88	81	75	82	75	70	70	65	61	40
4.00	93	86	81	86	80	76	73	69	66	42
5.00	96	90	85	88	84	80	75	72	69	44
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity:36%  
Test Distance:6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
E款 3:7

## ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



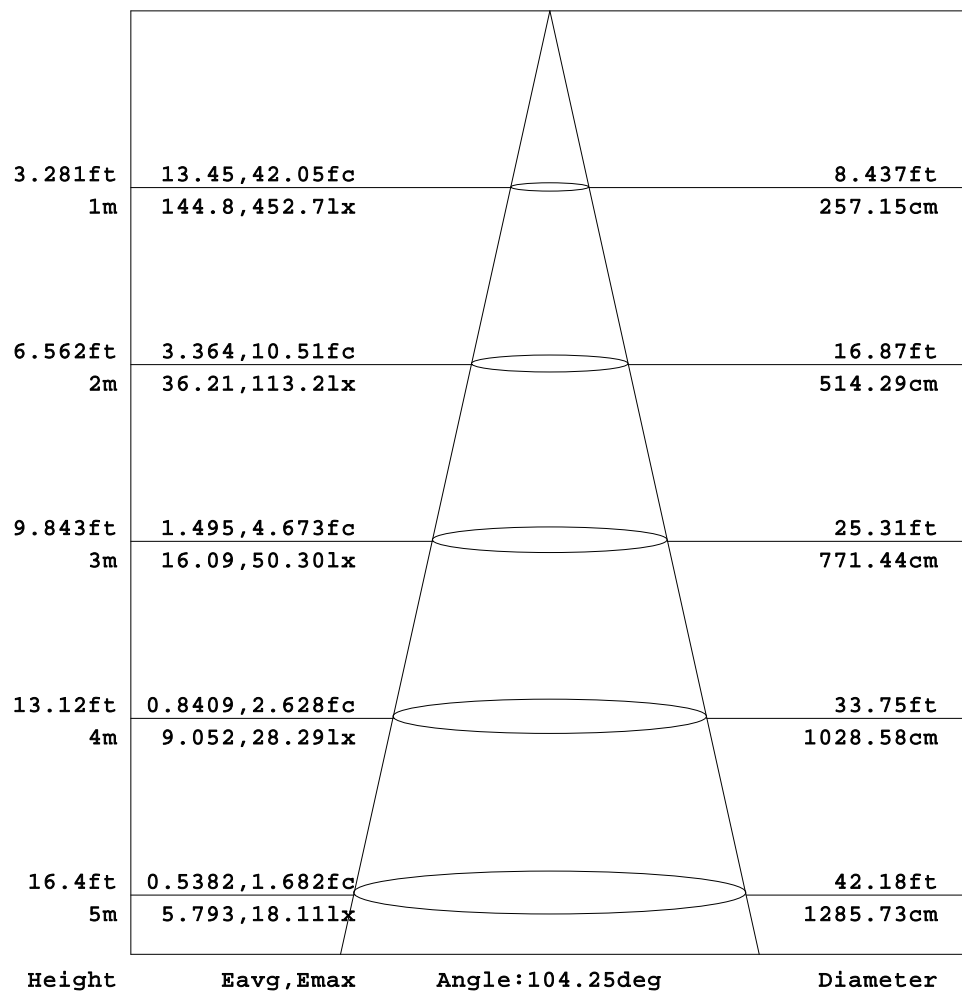
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 26.3DEG  
Operators: Ethan  
Test Date: 2021-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity: 36%  
Test Distance: 6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
E款 3:7

## AAI Figure

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Flux out:772.7 lm



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

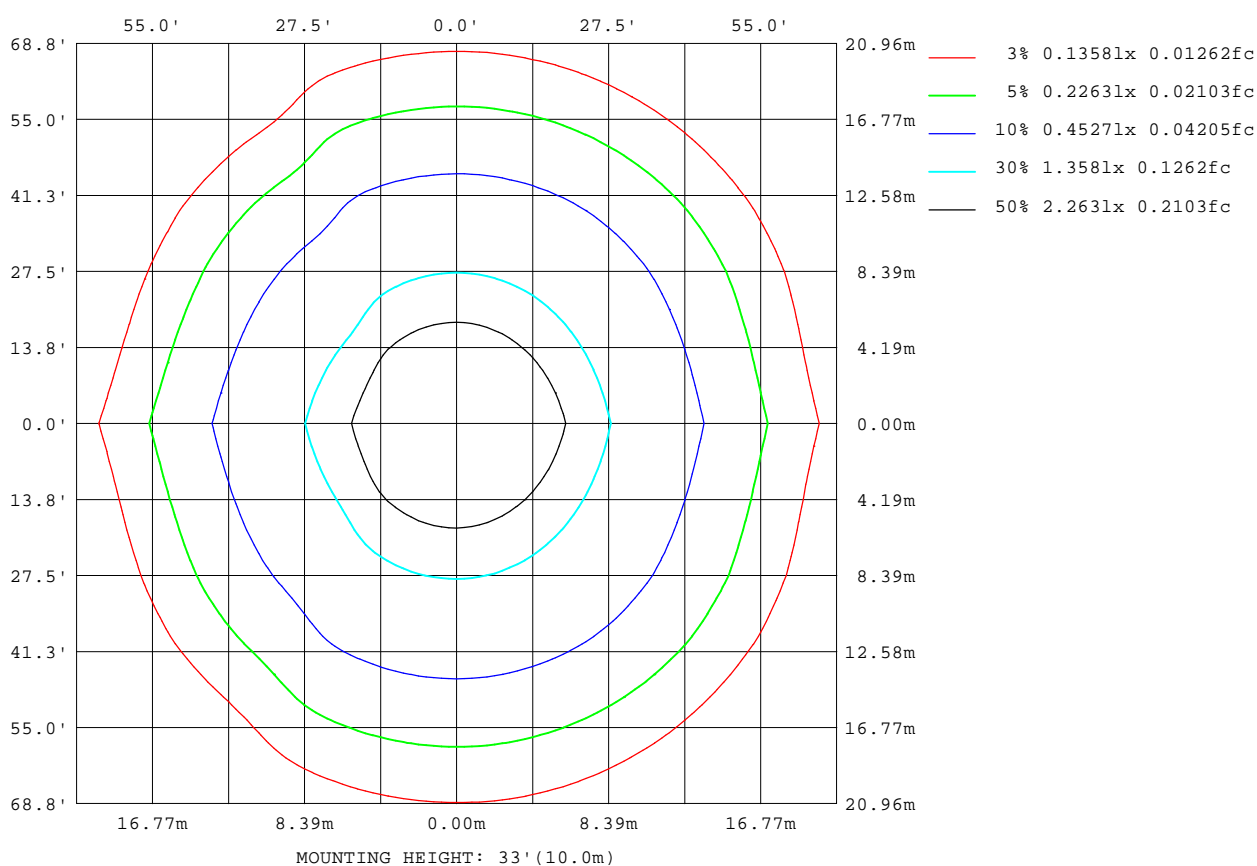
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 26.3DEG  
Operators: Ethan  
Test Date: 2021-08-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity: 36%  
Test Distance: 6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊 A+ 13S5P/13S10P  
E款 3:7



## ISOLUX DIAGRAM

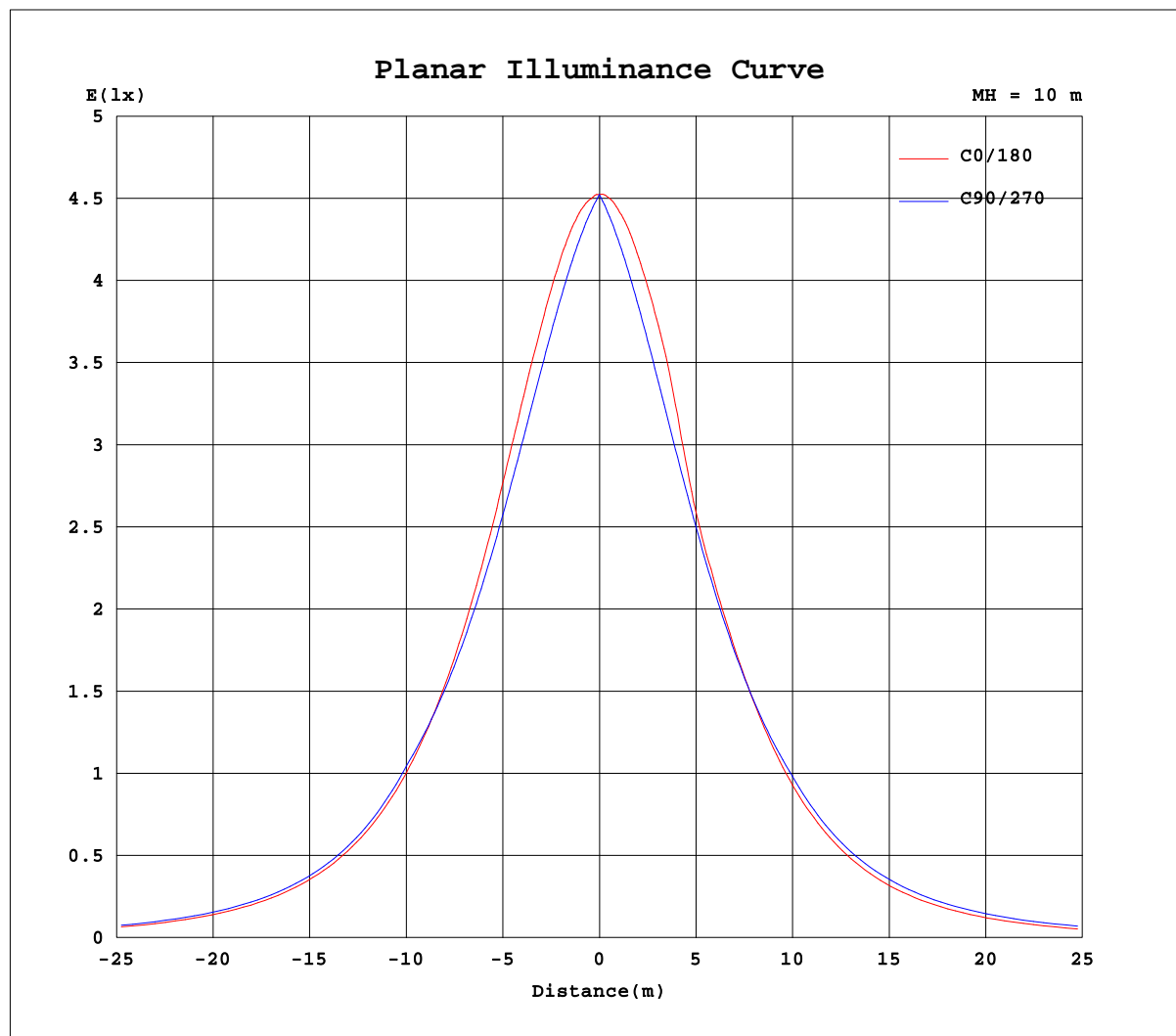
Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity:36%  
Test Distance:6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
E款 3:7

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 26.3DEG  
Operators: Ethan  
Test Date: 2021-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity: 36%  
Test Distance: 6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊 A+ 13S5P/13S10P  
E款 3:7

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452
5	450	448	447	445	444	443	441	440	439	438	438	437	436	436	436	435	435	435	435
10	442	439	436	434	431	429	427	426	424	422	421	421	420	419	418	418	418	418	418
15	430	426	422	418	415	412	410	407	406	405	403	403	402	401	401	400	400	400	400
20	414	409	404	400	396	392	390	388	386	385	384	384	383	383	383	383	382	383	383
25	394	388	382	377	374	371	369	367	365	364	364	364	364	364	364	365	365	365	365
30	370	363	357	352	348	346	344	343	343	343	343	344	344	345	346	347	348	348	348
35	344	336	330	325	322	319	318	318	319	320	322	323	325	326	327	329	330	330	331
40	315	307	300	296	293	292	292	293	295	297	299	302	305	307	309	311	312	313	313
45	284	275	269	265	263	263	264	267	270	274	277	281	285	288	290	293	294	295	296
50	251	242	236	233	232	234	237	241	245	251	256	261	262	263	263	263	263	263	263
55	217	208	203	201	202	204	209	215	221	227	228	229	229	230	230	230	231	231	231
60	183	174	169	169	171	176	183	190	191	192	193	195	196	197	197	198	198	198	198
65	148	139	136	138	143	149	154	155	156	158	160	162	163	164	165	165	166	166	165
70	113	106	105	108	115	118	120	121	123	125	127	129	131	132	133	133	134	133	133
75	80.4	74.2	75.6	81.5	83.4	86.0	87.9	89.8	91.9	93.9	95.8	97.4	98.8	99.7	100	101	101	101	100.0
80	49.1	45.3	50.2	51.9	53.9	55.9	58.5	60.1	61.9	63.5	64.9	66.2	67.3	68.0	68.5	68.9	69.0	68.5	67.3
85	20.4	20.9	24.0	26.3	28.0	29.4	30.9	31.8	32.9	33.8	34.7	35.4	36.0	36.4	36.7	36.8	36.7	36.0	34.7
90	4.27	4.28	4.33	4.35	4.37	4.37	4.35	4.33	4.40	4.54	4.72	4.83	4.90	4.95	4.93	4.78	4.40	3.58	2.06
95	2.54	3.45	11.4	17.6	20.9	22.9	24.4	25.9	27.3	28.4	29.6	30.5	31.3	32.0	32.7	33.1	33.3	33.0	32.1
100	25.0	22.9	29.3	35.9	39.7	42.9	45.6	48.5	50.7	52.8	54.8	56.5	58.0	59.3	60.6	61.6	62.2	62.5	62.1
105	55.6	50.7	53.0	58.8	62.4	65.6	68.8	72.4	75.2	78.0	80.6	82.9	84.9	86.9	88.6	90.0	91.2	91.9	92.1
110	85.2	79.0	78.5	82.0	87.7	91.5	94.9	98.3	101	104	107	110	112	115	117	119	120	121	122
115	116	109	107	108	112	118	124	126	129	132	135	138	140	143	145	147	149	151	152
120	149	140	137	136	139	143	149	156	158	161	164	166	169	172	174	177	179	181	182
125	181	173	168	166	167	170	174	179	185	191	193	196	198	201	204	206	208	210	212
130	213	204	199	196	195	197	200	204	209	214	219	225	229	231	233	235	238	240	242
135	244	236	230	226	224	225	226	229	232	237	241	246	250	255	259	263	266	269	272
140	274	266	260	256	253	253	253	254	257	260	263	267	271	274	277	281	284	287	289
145	303	295	289	285	282	280	280	280	281	283	286	288	291	293	296	299	302	304	307
150	330	323	317	313	310	307	306	305	306	307	308	309	311	313	315	317	320	322	324
155	355	348	343	339	335	333	331	330	330	329	330	330	331	332	334	336	337	339	341
160	377	371	367	363	360	357	355	353	352	351	351	351	351	352	353	354	355	357	358
165	394	390	386	383	380	378	376	374	372	371	371	371	371	371	372	372	373	374	375
170	408	405	403	400	398	397	395	394	393	392	391	390	391	390	390	391	391	392	392
175	420	418	417	416	415	413	413	412	411	410	410	409	409	409	409	409	409	409	410
180	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity:36%  
Test Distance:6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
E款 3:7

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°) γ (°)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452
5	435	436	436	436	437	437	438	439	439	440	441	442	443	445	446	447	449	450	449
10	418	418	418	419	419	420	421	422	423	425	427	428	431	433	435	437	440	443	440
15	401	401	401	401	402	402	403	404	405	407	409	411	413	416	420	423	427	432	427
20	383	383	383	383	383	384	384	385	386	387	389	391	394	397	400	404	408	413	407
25	365	365	365	365	364	364	364	364	365	365	365	363	362	361	362	364	368	373	366
30	348	347	347	346	345	344	343	342	340	335	329	324	322	323	326	331	338	346	336
35	330	330	328	327	326	324	322	317	308	299	294	292	292	295	299	305	312	321	311
40	313	312	310	308	306	303	298	287	275	268	264	263	264	267	271	277	284	294	283
45	295	294	292	289	286	282	272	257	245	239	237	236	236	238	240	246	253	263	252
50	263	262	262	261	260	257	245	228	218	214	211	209	208	207	209	213	220	230	219
55	230	229	229	228	227	221	207	197	194	190	186	182	178	176	176	180	186	197	185
60	197	197	196	195	193	184	172	165	164	162	161	154	149	146	145	146	152	162	150
65	165	164	164	163	160	150	140	136	134	132	129	126	122	117	114	113	117	127	116
70	132	132	131	130	127	118	110	108	106	103	100	96.7	93.8	89.5	81.3	77.6	80.8	91.4	81.8
75	99.6	99.4	98.9	97.9	94.7	87.1	82.2	80.4	78.6	76.0	72.8	69.9	66.4	58.9	50.2	46.2	48.4	58.3	50.3
80	67.0	67.0	66.6	65.9	63.3	58.0	55.1	53.7	52.3	50.3	47.8	45.4	41.6	34.2	26.9	20.0	20.3	27.4	21.9
85	34.5	34.6	34.5	34.0	32.6	29.8	28.5	27.5	26.7	25.6	24.3	23.0	20.3	16.3	12.0	7.13	2.89	4.06	3.63
90	1.90	2.26	2.38	2.22	2.16	2.12	2.05	1.54	1.58	1.62	1.59	1.77	1.85	2.03	2.19	2.46	2.56	2.16	2.65
95	32.3	32.8	33.1	33.1	33.1	33.0	32.0	29.3	27.7	27.0	26.5	26.1	25.0	24.1	25.4	26.4	28.6	31.7	12.5
100	62.6	63.2	63.7	63.9	64.0	64.0	62.3	57.7	54.4	52.8	52.0	51.3	49.6	48.0	49.2	53.1	48.7	51.9	34.3
105	92.9	93.7	94.4	94.8	95.0	95.2	93.5	87.4	82.0	79.5	78.4	77.9	76.7	75.0	74.1	70.6	68.2	63.0	53.7
110	123	124	125	126	126	127	126	119	111	108	106	106	106	104	99.9	96.9	96.6	85.8	80.8
115	154	155	156	157	157	158	158	153	144	138	136	136	134	131	129	130	134	128	117
120	184	185	187	188	189	190	191	188	179	171	167	162	160	159	160	163	168	168	161
125	214	216	217	219	220	222	223	224	218	205	193	186	185	186	190	195	203	214	202
130	244	246	248	250	252	254	254	250	244	233	224	216	211	210	214	221	230	242	227
135	274	275	276	276	276	275	274	269	264	260	253	248	245	243	242	245	251	260	249
140	291	293	294	294	294	294	294	293	286	281	279	276	275	275	278	283	290	299	288
145	308	310	311	312	313	313	314	315	315	310	303	300	300	302	304	308	314	321	310
150	325	327	329	330	331	332	333	335	336	338	339	336	331	328	328	331	335	340	333
155	342	344	346	347	349	350	352	354	356	358	361	364	368	372	376	379	384	390	383
160	359	361	363	364	366	368	369	372	374	376	379	382	386	390	394	399	405	410	404
165	376	378	379	381	382	384	386	388	390	393	395	398	402	405	409	413	417	420	416
170	393	394	395	397	398	399	401	403	405	407	409	411	414	416	419	422	425	426	423
175	410	411	411	412	413	414	415	416	417	418	419	421	422	423	425	426	428	428	426
180	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	425	425

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity:36%  
Test Distance:6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
E款 3:7

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452
5	447	445	444	443	441	440	439	438	437	436	435	435	434	434	434	433	433	433	434
10	437	434	431	429	426	424	422	421	419	418	417	416	415	415	414	414	414	414	414
15	422	418	414	411	408	405	403	401	400	398	397	396	395	395	395	395	394	394	394
20	402	397	393	390	387	384	382	380	378	377	377	376	376	375	375	375	375	375	375
25	360	356	353	353	354	356	357	357	356	356	355	355	355	355	355	356	356	356	356
30	328	321	316	312	311	313	319	326	331	333	334	334	335	335	335	336	336	336	336
35	302	295	289	285	281	279	279	286	297	307	311	313	314	315	316	316	317	317	317
40	274	267	262	258	255	253	252	252	259	273	286	291	293	295	296	297	297	298	298
45	243	237	232	230	228	227	227	227	228	238	256	269	272	275	276	277	278	278	278
50	210	205	201	200	200	201	202	203	204	208	223	240	245	246	246	247	247	248	248
55	177	172	170	170	172	175	178	180	180	180	187	205	214	215	215	216	217	217	217
60	143	140	140	141	145	149	151	152	153	153	156	171	183	184	185	185	186	186	186
65	111	109	111	114	117	120	123	125	126	127	128	139	152	154	155	155	155	156	156
70	78.5	80.0	83.3	86.8	90.0	92.8	95.9	98.7	100	101	102	109	121	124	124	124	125	125	125
75	49.4	52.9	57.5	61.4	64.9	67.9	70.7	73.6	75.1	76.3	77.2	81.0	90.5	93.6	93.9	93.5	93.9	94.2	94.1
80	24.2	30.2	35.2	39.3	42.3	44.9	47.1	49.2	50.6	51.5	52.3	54.4	60.9	63.5	63.6	62.9	63.2	63.4	63.4
85	8.60	13.9	17.2	19.8	21.7	23.2	24.4	25.6	26.5	27.0	27.6	28.5	31.9	33.5	33.3	32.4	32.5	32.7	32.7
90	2.27	2.04	1.97	2.01	2.15	2.23	2.32	2.44	2.61	2.56	3.07	2.95	3.17	3.58	2.99	1.81	1.83	1.95	1.97
95	12.0	14.8	15.7	20.3	26.0	26.1	23.2	25.9	27.0	27.0	29.8	32.8	33.8	34.1	33.2	31.9	31.7	31.6	31.2
100	27.2	30.3	31.7	43.2	51.6	48.4	45.8	49.8	51.7	51.7	57.1	62.9	64.4	64.7	63.4	62.1	61.6	61.2	60.5
105	49.5	47.7	57.0	72.3	79.0	67.4	71.4	74.5	76.4	77.2	85.6	93.5	95.2	95.2	93.6	92.2	91.5	90.9	89.8
110	78.6	79.8	95.0	106	101	87.4	97.4	100	101	104	116	125	126	126	124	122	121	121	119
115	114	120	131	132	113	121	125	128	126	134	149	156	158	156	154	152	151	150	149
120	159	160	155	141	143	151	154	154	154	166	182	187	189	186	184	183	181	180	178
125	192	181	171	172	173	178	181	180	188	204	217	219	219	216	214	213	211	210	208
130	215	208	202	201	204	205	202	207	222	243	250	252	250	247	244	243	241	240	238
135	241	237	236	234	230	227	230	238	256	270	273	277	276	274	273	272	271	269	267
140	278	270	264	258	255	256	262	276	289	292	294	295	293	292	291	289	288	286	284
145	302	294	289	286	286	292	304	312	313	313	314	312	310	309	308	307	305	303	301
150	327	323	322	327	333	337	336	335	334	333	331	330	328	327	325	324	322	321	319
155	378	375	370	366	363	360	357	355	353	351	349	347	345	344	342	341	339	338	336
160	399	394	389	385	382	379	376	373	370	368	366	364	363	361	359	358	357	355	354
165	411	408	404	400	397	394	391	389	387	384	382	381	379	377	376	375	374	373	372
170	420	418	415	412	410	407	405	403	401	400	398	396	395	394	392	391	391	390	389
175	425	423	422	420	419	418	417	415	414	413	412	411	410	409	409	408	408	408	407
180	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity:36%  
Test Distance:6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
E款 3:7

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1620A P:19.30W PF:0.9900 Lamp Flux:2271.3x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--4

UNIT: cd

C(°) γ (°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452				
5	434	434	434	435	435	436	437	438	439	441	442	443	445	446	448				
10	414	415	415	416	418	419	420	422	423	425	428	430	433	435	438				
15	395	396	396	397	398	399	401	403	404	407	410	413	417	421	425				
20	376	376	376	377	378	379	380	382	384	387	390	394	398	403	408				
25	356	356	356	356	357	358	358	360	362	365	368	371	375	381	387				
30	336	336	335	336	335	336	336	337	338	340	343	346	350	355	362				
35	316	316	315	314	314	313	312	313	313	314	316	319	323	328	335				
40	297	296	295	294	292	290	289	288	287	287	288	290	294	299	306				
45	277	276	275	273	270	268	265	263	261	260	259	260	263	268	274				
50	248	249	249	250	249	246	242	238	235	232	230	230	231	235	241				
55	217	218	218	217	218	218	218	214	209	204	201	199	199	202	208				
60	187	187	186	186	186	185	185	184	184	178	173	169	168	169	173				
65	156	156	155	155	154	154	152	151	150	150	147	141	137	136	139				
70	125	125	124	124	123	122	121	119	118	117	117	114	108	105	106				
75	94.1	93.9	93.5	93.3	92.7	91.7	90.4	89.1	87.8	86.4	84.7	83.3	82.3	76.7	74.9				
80	63.4	63.3	63.1	63.1	62.6	61.8	60.9	59.9	58.8	57.6	55.7	54.4	53.3	52.4	46.8				
85	32.7	32.8	32.9	33.0	32.9	32.5	32.0	31.7	31.1	30.6	29.6	28.8	27.7	26.1	23.9				
90	2.05	2.30	2.67	3.02	3.29	3.43	3.58	3.88	4.14	4.45	4.81	5.17	5.48	5.73	5.97				
95	30.9	30.6	30.3	29.9	29.3	28.5	27.6	26.7	25.6	24.1	22.6	20.5	16.8	9.33	2.89				
100	59.7	58.9	58.0	56.9	55.6	54.0	52.1	50.2	48.0	45.0	42.0	38.4	33.6	25.4	20.0				
105	88.7	87.4	85.9	84.3	82.3	80.1	77.5	74.8	71.8	67.9	64.3	60.5	56.1	50.3	48.7				
110	118	116	114	112	110	107	104	101	97.7	94.2	90.0	85.8	79.9	76.6	77.4				
115	147	145	143	141	138	135	132	129	126	123	117	110	106	105	108				
120	177	174	172	170	167	164	161	159	156	149	143	138	135	135	139				
125	206	204	202	200	197	195	192	186	179	174	169	166	165	166	171				
130	236	234	232	230	227	221	215	209	204	199	196	195	195	198	203				
135	263	260	256	252	247	242	237	233	229	226	224	224	225	228	234				
140	281	278	275	271	268	264	260	257	254	253	252	253	255	259	265				
145	299	296	294	291	289	286	283	281	280	279	279	281	284	288	294				
150	317	315	313	311	309	308	307	306	305	305	306	308	312	316	321				
155	335	334	332	331	330	329	329	329	329	331	332	334	338	342	347				
160	353	352	351	350	350	350	350	351	352	354	356	358	361	365	369				
165	371	371	370	370	370	370	371	371	373	374	376	378	381	385	388				
170	389	389	389	389	389	390	390	391	392	394	395	397	399	401	404				
175	407	407	407	407	407	408	408	409	410	411	412	413	414	415	416				
180	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.268  
Humidity:36%  
Test Distance:6.770m [K=1.0000]  
Remarks: 聚鑫德源 AI40D2C-421000  
源磊A+ 13S5P/13S10P  
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