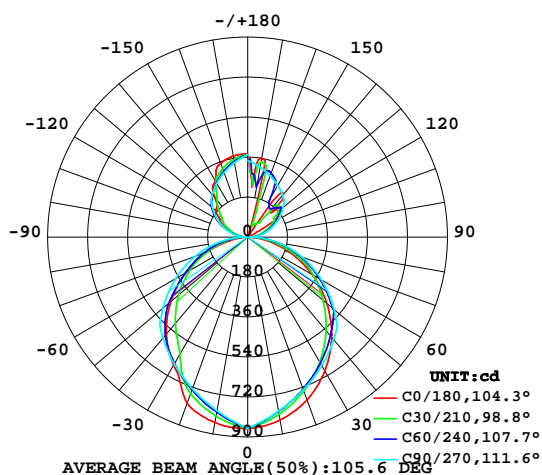


## LUMINAIRE PHOTOMETRIC TEST REPORT

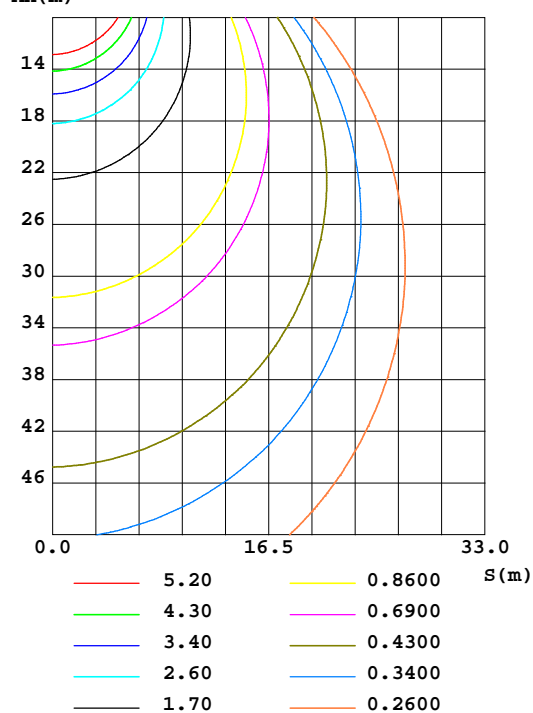
Test:U:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm					
NAME: 二代线条灯			TYPE:上下发光 白色外壳		WEIGHT:
DIM.: 2FT			SPEC.:3500K		SERIAL No.:YQ2107-7
MFR.: YQ			SUR.:0.171*1.13m		PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.80 lm/W			
MODEL		I <sub>max</sub> (cd)	861.7	S/MH(C0/180)	1.21
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3157.6	η UP,DN(C0-180)	13.3,36.0
NOMINAL FLUX(lm)	3157.56	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.1,35.6
LAMPS INSIDE	1	η up(%)	28.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.3	η down(%)	71.6	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



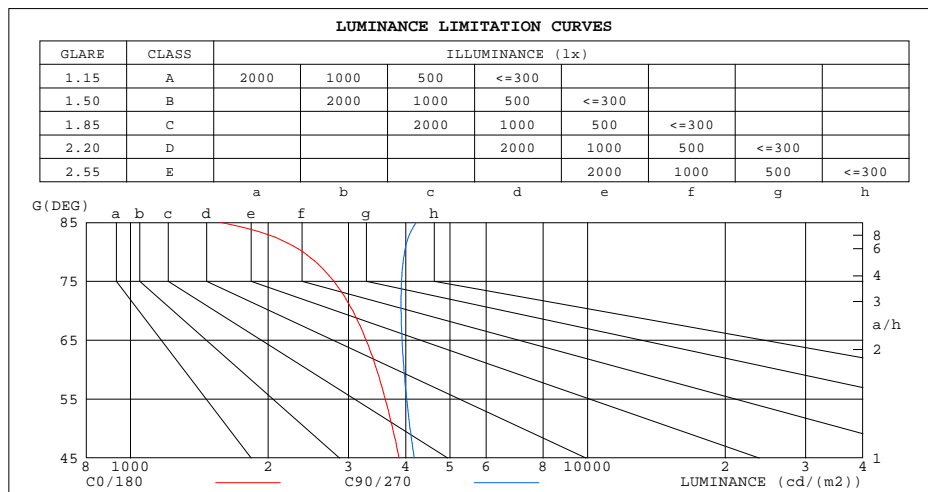
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:26.3DEG  
 Operators:Ethan  
 Test Date:2021-08-16

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	$\#lum, lamp$
5	853.5	833.9	829.1	838.0	859.3	837.2	828.0	833.2	0- 5	20.23	20.23	0.64,0.64
10	836.3	802.5	796.8	810.5	847.7	808.7	794.5	801.0	5- 10	58.87	79.10	2.51,2.51
15	811.4	767.6	764.4	777.8	828.1	775.1	761.0	765.5	10- 15	94.14	173.2	5.49,5.49
20	780.8	730.3	732.1	742.7	796.7	739.2	727.5	727.8	15- 20	125.3	298.6	9.46,9.46
25	741.1	690.6	699.8	704.0	721.1	698.9	694.1	687.7	20- 25	151.3	449.8	14.2,14.2
30	695.1	649.5	667.4	656.4	666.5	644.9	660.6	646.5	25- 30	170.8	620.7	19.7,19.7
35	643.9	606.1	635.1	590.1	621.4	571.8	627.1	603.0	30- 35	185.2	805.9	25.5,25.5
40	589.1	562.0	602.8	523.0	570.2	506.6	593.6	559.3	35- 40	194.7	1001	31.7,31.7
45	528.9	518.3	570.4	470.0	512.8	458.9	560.2	515.6	40- 45	198.9	1199	38,38
50	465.3	474.4	508.0	425.9	452.0	416.5	498.2	472.5	45- 50	197.0	1397	44.2,44.2
55	399.9	429.6	445.6	383.7	387.6	373.6	436.2	428.2	50- 55	187.3	1584	50.2,50.2
60	333.8	362.6	383.2	324.5	321.4	316.0	374.2	361.6	55- 60	171.5	1755	55.6,55.6
65	267.6	297.7	320.7	267.0	254.8	260.1	312.2	296.7	60- 65	151.0	1906	60.4,60.4
70	202.6	235.4	258.3	210.8	188.7	205.1	250.3	234.6	65- 70	126.6	2033	64.4,64.4
75	139.4	175.6	195.9	156.7	124.5	152.3	188.3	174.8	70- 75	99.54	2132	67.5,67.5
80	80.05	118.0	133.5	104.2	62.76	101.2	126.3	117.2	75- 80	71.09	2204	69.8,69.8
85	26.55	61.94	71.07	52.90	12.50	51.31	64.30	60.96	80- 85	42.64	2246	71.1,71.1
90	3.866	6.758	8.647	2.414	2.442	2.182	2.320	5.500	85- 90	15.58	2262	71.6,71.6
95	0	27.59	33.60	22.92	21.78	21.97	27.98	26.69	90- 95	7.923	2270	71.9,71.9
100	0	48.87	58.55	43.58	42.33	42.02	53.64	48.26	95-100	18.88	2289	72.5,72.5
105	0	70.76	83.50	64.70	67.56	62.78	79.31	70.56	100-105	30.21	2319	73.4,73.4
110	0	93.62	108.4	86.86	91.05	84.58	105.0	93.88	105-110	41.25	2360	74.7,74.7
115	0.0000	117.4	133.4	111.6	116.9	106.7	130.6	118.3	110-115	51.41	2411	76.4,76.4
120	86.08	142.3	158.3	140.5	143.1	127.2	156.3	144.0	115-120	61.59	2473	78.3,78.3
125	165.6	168.2	183.3	173.4	161.7	147.9	182.0	170.7	120-125	71.12	2544	80.6,80.6
130	193.7	157.5	208.2	199.8	184.1	167.1	207.6	190.3	125-130	77.35	2621	83,83
135	165.2	144.4	233.2	221.9	196.4	202.8	233.3	209.9	130-135	79.91	2701	85.6,85.6
140	246.7	130.7	245.7	243.7	228.6	244.0	248.7	230.0	135-140	79.93	2781	88.1,88.1
145	202.3	116.7	258.2	269.5	275.2	269.2	264.2	250.3	140-145	76.69	2858	90.5,90.5
150	0	101.9	270.6	289.1	293.6	286.7	279.7	270.3	145-150	68.55	2927	92.7,92.7
155	0	105.6	283.1	307.3	336.7	304.2	295.1	289.6	150-155	62.69	2989	94.7,94.7
160	0.0000	241.7	295.6	324.1	354.5	321.1	310.6	307.9	155-160	55.51	3045	96.4,96.4
165	140.2	327.4	308.1	339.3	365.1	336.9	326.0	325.6	160-165	47.27	3092	97.9,97.9
170	360.7	314.9	320.6	191.1	371.5	351.1	341.5	342.5	165-170	37.25	3129	99.1,99.1
175	227.1	271.5	333.1	18.70	374.2	362.9	356.9	358.0	170-175	21.09	3150	99.8,99.8
180	345.5	345.5	345.5	345.5	372.4	372.4	372.4	372.4	175-180	7.186	3158	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m²)		
G(°)	C0/180	C90/270
85	1577	4221
80	2386	3979
75	2788	3918
70	3066	3909
65	3277	3928
60	3455	3967
55	3609	4021
50	3747	4091
45	3872	4176

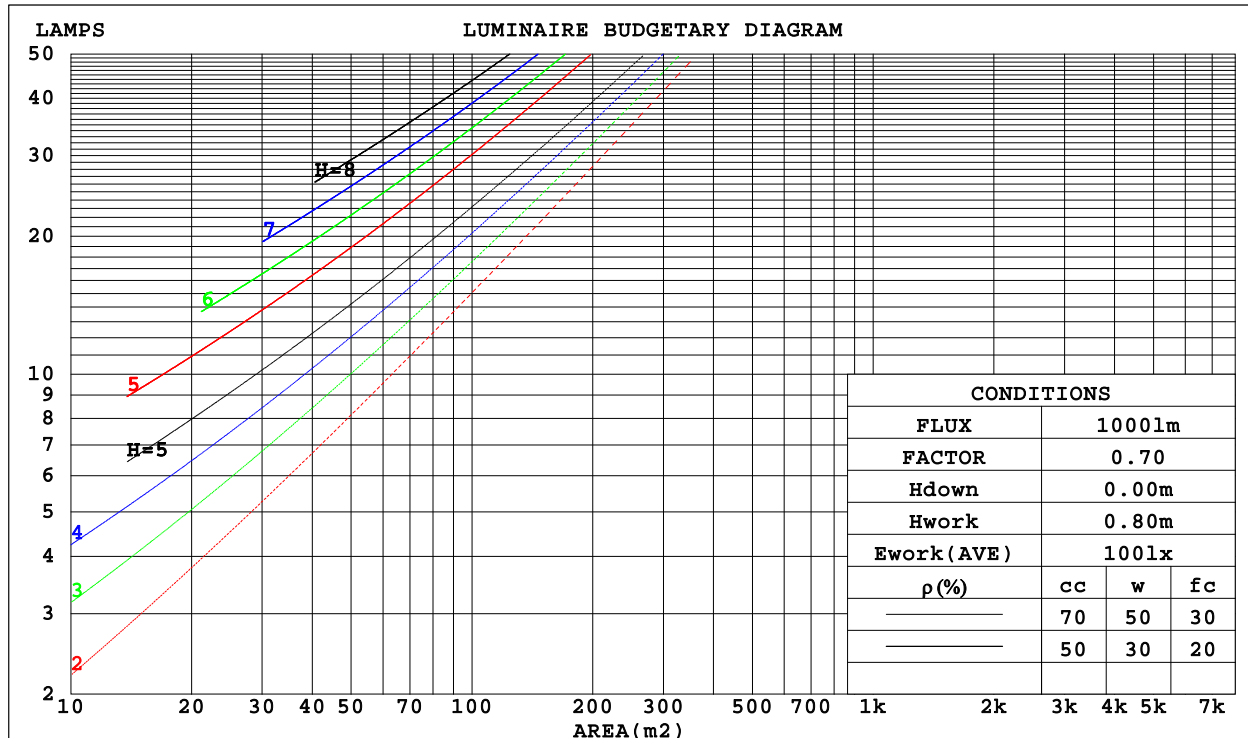
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 26.3DEG  
Operators: Ethan  
Test Date: 2021-08-16

$\gamma$  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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	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	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.85	.85	.85	.76	.76	.76	.72
1.0	.98	.93	.90	.92	.89	.85	.83	.80	.78	.74	.72	.70	.66	.65	.63	.59
2.0	.85	.78	.73	.81	.75	.70	.72	.68	.64	.65	.61	.58	.58	.55	.53	.49
3.0	.74	.67	.60	.71	.64	.58	.64	.58	.53	.57	.53	.49	.51	.48	.45	.41
4.0	.66	.57	.51	.63	.55	.49	.57	.50	.45	.51	.46	.42	.46	.42	.38	.35
5.0	.59	.50	.44	.56	.48	.42	.51	.44	.39	.46	.40	.36	.41	.37	.33	.31
6.0	.53	.44	.38	.50	.42	.37	.46	.39	.34	.41	.36	.32	.37	.33	.29	.27
7.0	.48	.39	.33	.46	.38	.32	.41	.35	.30	.38	.32	.28	.34	.30	.26	.24
8.0	.43	.35	.30	.41	.34	.29	.38	.31	.27	.34	.29	.25	.31	.27	.23	.21
9.0	.40	.32	.27	.38	.31	.26	.35	.29	.24	.32	.26	.23	.29	.24	.21	.19
10.0	.37	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.27	.22	.19	.17



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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	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	.301	.171	.054	.286	.163	.052	.256	.147	.047	.229	.132	.042	.205	.119	.038		
2.0	.280	.153	.047	.265	.146	.045	.239	.133	.041	.214	.120	.038	.192	.109	.034		
3.0	.257	.137	.041	.245	.131	.039	.221	.120	.036	.198	.109	.033	.178	.098	.030		
4.0	.237	.123	.036	.226	.118	.035	.204	.108	.032	.183	.098	.030	.164	.089	.027		
5.0	.219	.112	.032	.209	.107	.031	.188	.098	.029	.170	.090	.027	.152	.081	.024		
6.0	.203	.102	.029	.194	.098	.028	.175	.090	.026	.158	.082	.024	.142	.075	.022		
7.0	.189	.094	.027	.180	.090	.026	.163	.083	.024	.147	.076	.022	.132	.069	.020		
8.0	.177	.086	.024	.169	.083	.023	.153	.076	.022	.138	.070	.020	.124	.064	.019		
9.0	.166	.080	.022	.158	.077	.022	.143	.071	.020	.130	.065	.019	.117	.059	.017		
10.0	.156	.075	.021	.149	.072	.020	.135	.066	.019	.122	.061	.017	.110	.055	.016		

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	.407	.407	.407	.348	.348	.348	.237	.237	.237	.136	.136	.136	.044	.044	.044		
1.0	.398	.374	.353	.340	.321	.304	.233	.221	.210	.134	.128	.122	.043	.041	.040		
2.0	.390	.351	.319	.334	.302	.276	.229	.209	.192	.132	.122	.113	.042	.039	.037		
3.0	.383	.335	.297	.328	.289	.257	.225	.201	.180	.130	.117	.106	.042	.038	.035		
4.0	.375	.322	.282	.322	.278	.245	.222	.194	.172	.128	.114	.102	.041	.037	.034		
5.0	.368	.312	.271	.316	.270	.236	.218	.189	.167	.126	.111	.099	.041	.036	.033		
6.0	.362	.305	.264	.311	.264	.230	.214	.185	.162	.124	.109	.097	.040	.036	.032		
7.0	.355	.298	.258	.306	.258	.225	.211	.181	.159	.123	.107	.095	.040	.035	.031		
8.0	.349	.293	.254	.301	.254	.221	.208	.178	.157	.121	.105	.094	.039	.034	.031		
9.0	.344	.288	.251	.296	.250	.219	.205	.176	.155	.119	.104	.093	.039	.034	.031		
10.0	.338	.284	.248	.292	.247	.216	.202	.174	.154	.118	.103	.092	.038	.034	.030		

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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm											
NAME: 二代线条灯					TYPE:上下发光 白色外壳			WEIGHT:			
DIM.: 2FT					SPEC.:3500K			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	15.3	16.5	16.0	17.1	17.8	16.3	17.4	16.9	18.0	18.8	
	3H	16.7	17.7	17.3	18.4	19.2	17.9	19.0	18.6	19.6	20.4
	4H	17.2	18.2	17.9	18.9	19.7	18.7	19.7	19.4	20.4	21.2
	6H	17.5	18.4	18.2	19.1	20.0	19.3	20.3	20.0	20.9	21.8
	8H	17.6	18.5	18.3	19.2	20.0	19.6	20.5	20.3	21.2	22.0
	12H	17.6	18.5	18.3	19.2	20.0	19.8	20.6	20.5	21.3	22.2
4H	2H	16.0	17.0	16.7	17.7	18.5	16.7	17.7	17.4	18.4	19.2
	3H	17.6	18.4	18.3	19.1	20.0	18.6	19.4	19.3	20.2	21.0
	4H	18.2	19.0	19.0	19.7	20.6	19.5	20.3	20.2	21.0	21.9
	6H	18.7	19.4	19.5	20.1	21.0	20.3	21.0	21.1	21.7	22.6
	8H	18.8	19.5	19.6	20.2	21.2	20.6	21.2	21.4	22.0	22.9
	12H	18.9	19.5	19.7	20.2	21.2	20.9	21.4	21.7	22.2	23.2
8H	4H	18.6	19.2	19.4	20.0	20.9	19.7	20.3	20.5	21.1	22.0
	6H	19.3	19.8	20.1	20.6	21.5	20.7	21.2	21.5	22.0	23.0
	8H	19.5	20.0	20.3	20.8	21.8	21.1	21.6	21.9	22.4	23.4
	12H	19.7	20.0	20.5	20.9	21.9	21.5	21.9	22.3	22.7	23.7
12H	4H	18.6	19.2	19.4	20.0	20.9	19.7	20.2	20.5	21.0	22.0
	6H	19.4	19.8	20.2	20.6	21.6	20.7	21.2	21.5	22.0	23.0
	8H	19.7	20.1	20.5	20.9	21.9	21.2	21.6	22.0	22.4	23.4
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 3158 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.0)

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

## UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

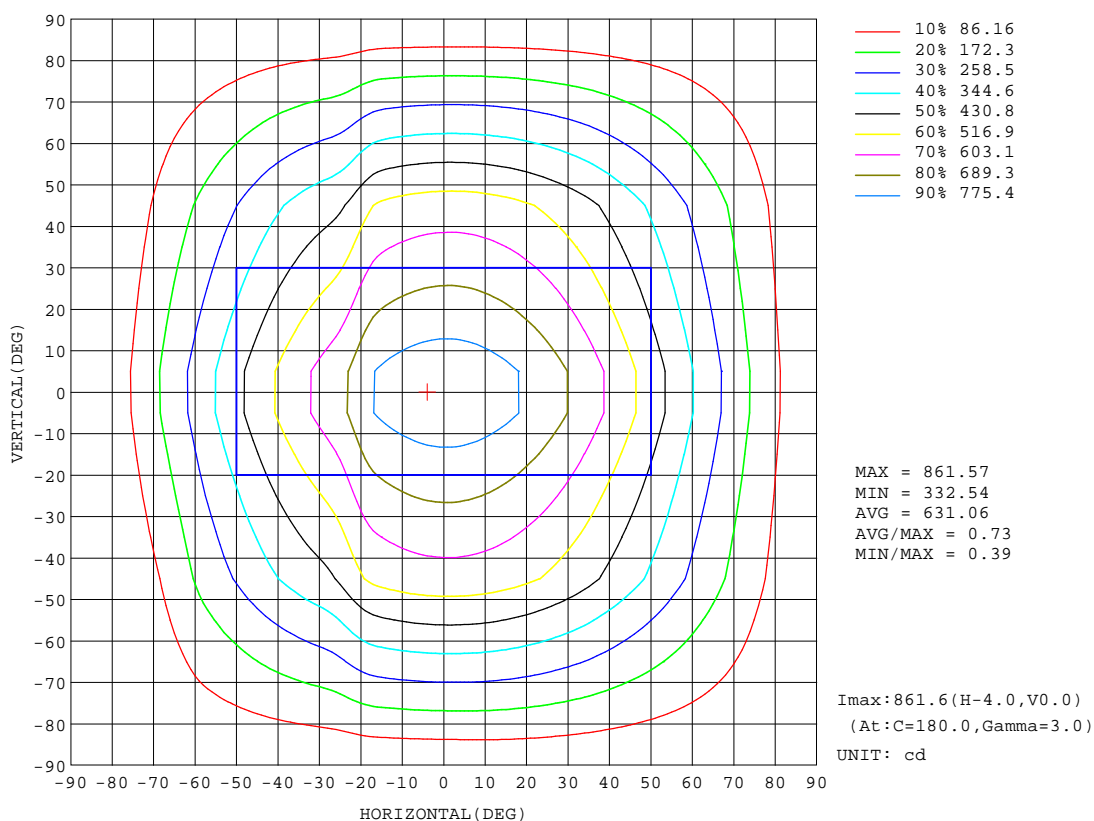
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	32	48	37	31	45	36	30	23
0.80	59	48	40	57	46	39	53	44	38	29
1.00	67	56	48	64	54	47	59	53	45	35
1.25	74	63	56	71	61	54	65	57	51	40
1.50	79	69	62	76	66	60	69	62	56	44
2.00	86	77	70	82	74	68	75	68	63	49
2.50	90	82	76	86	79	73	78	72	68	52
3.00	94	87	81	89	83	77	81	76	72	55
4.00	98	92	87	93	88	83	84	80	76	59
5.00	101	96	91	96	91	87	86	83	80	61
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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



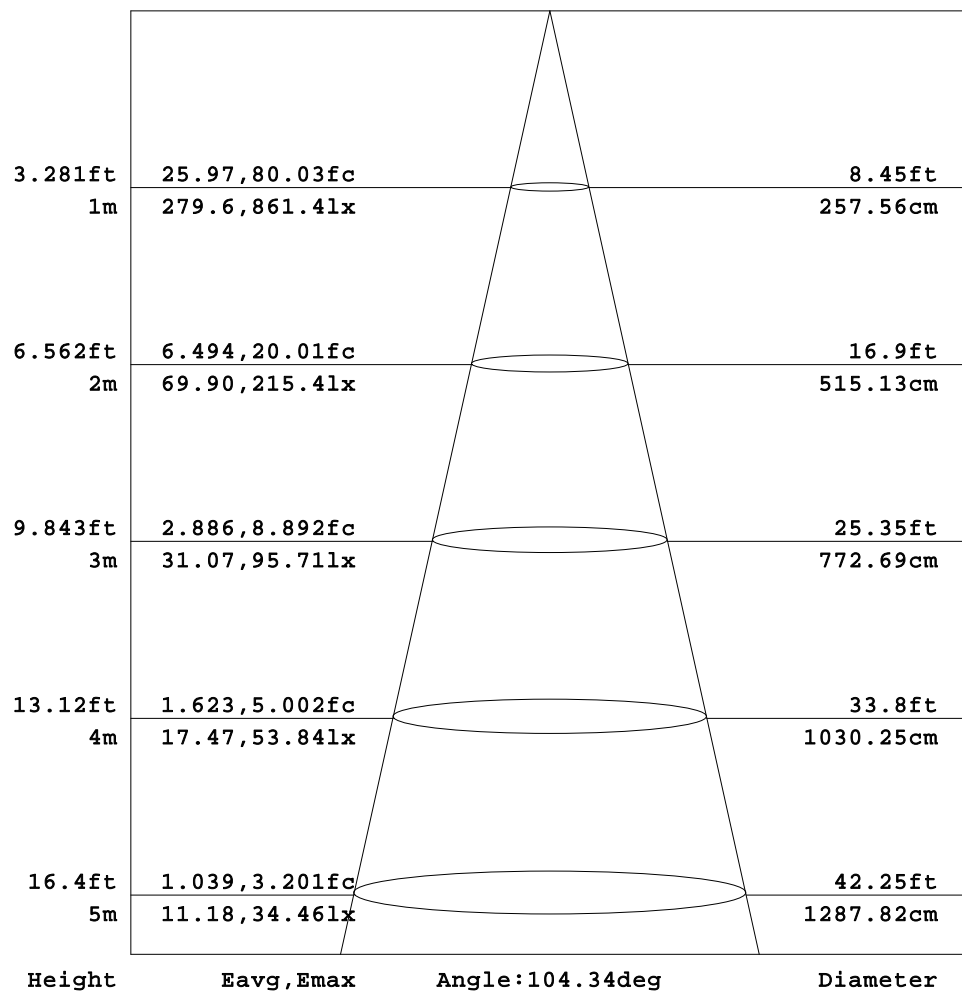
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

$\gamma$  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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Flux out:1492 lm



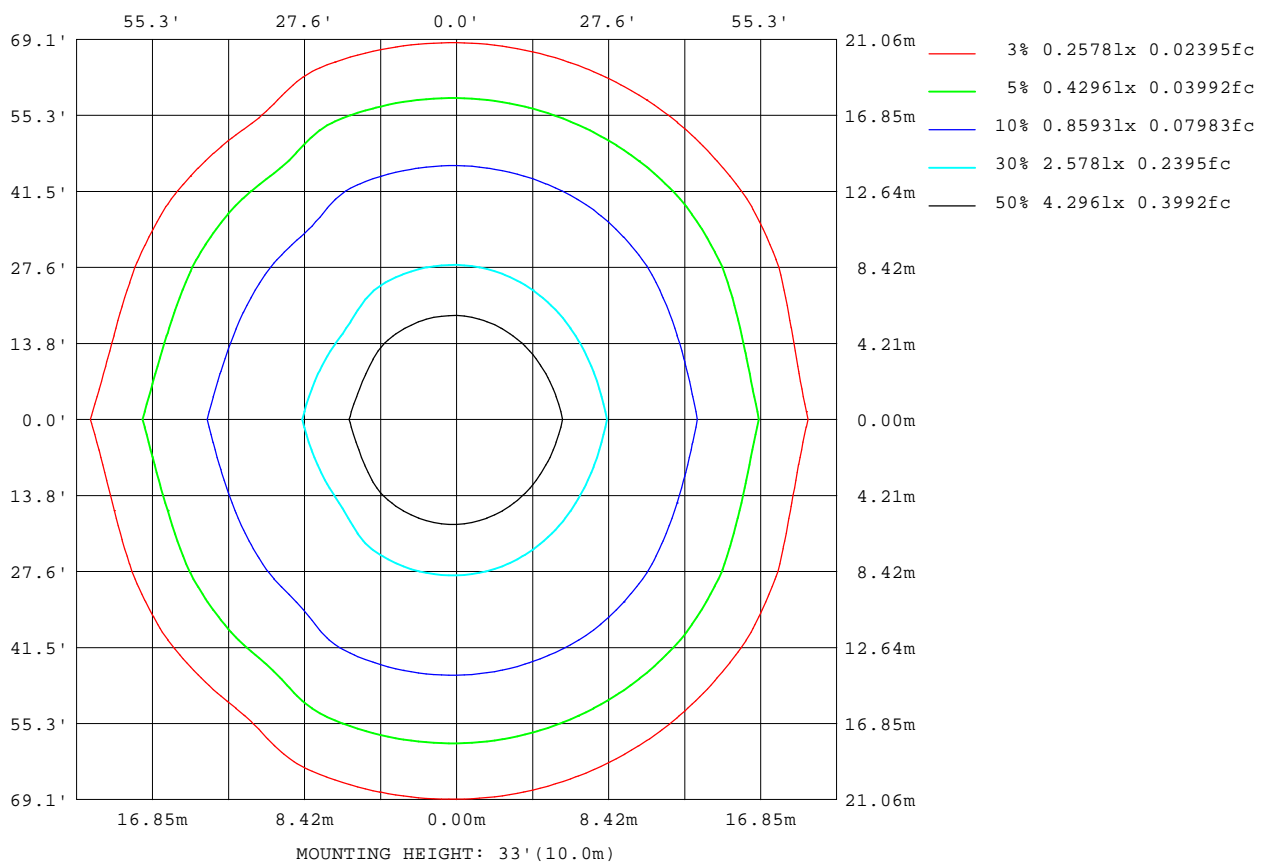
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

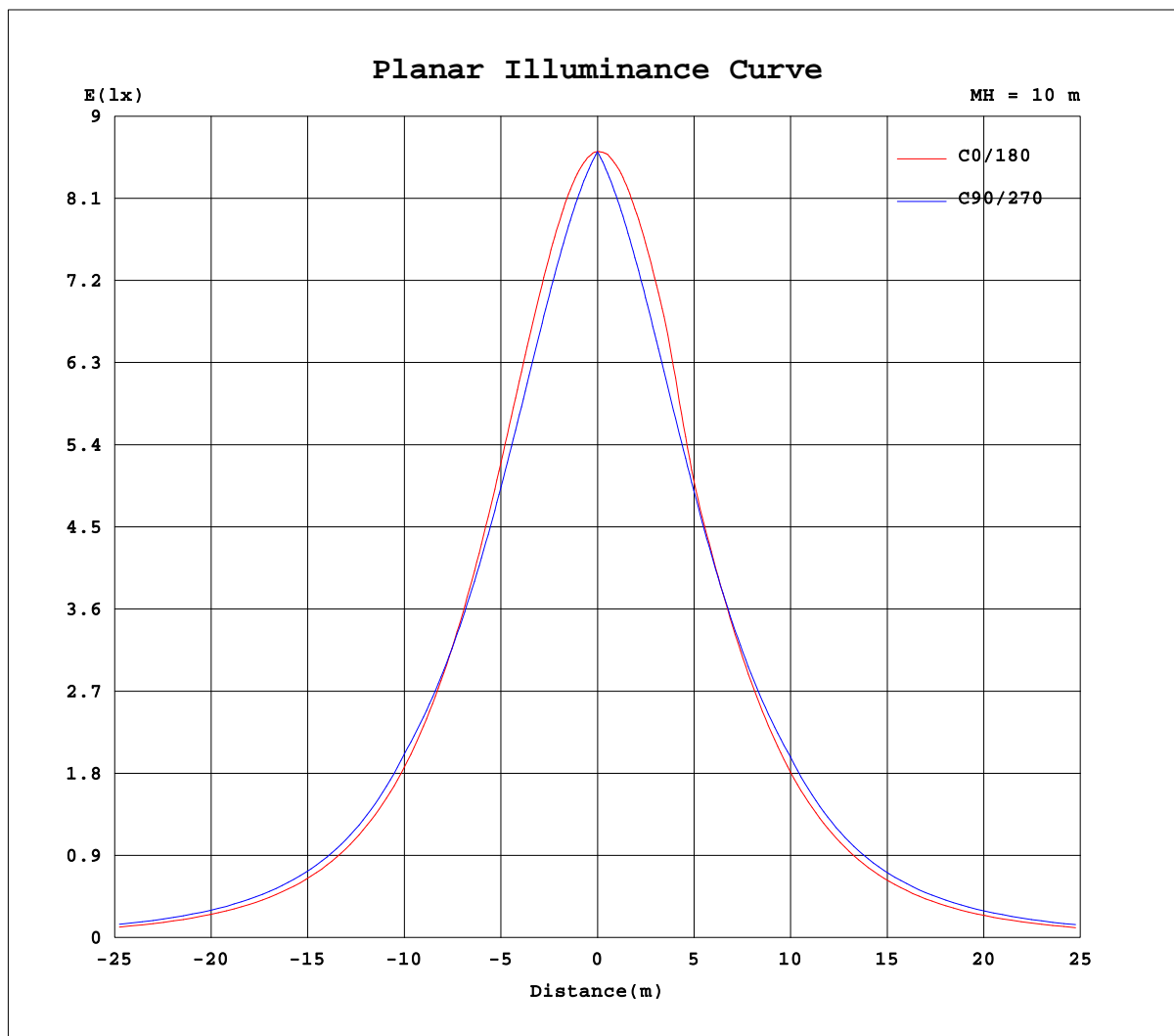
Test:U:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



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

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

## 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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°) \ γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861
5	854	851	848	846	843	841	839	837	835	834	833	832	831	830	829	829	829	829	829
10	836	831	826	822	818	814	811	807	805	802	801	799	798	797	797	796	796	797	797
15	811	804	797	791	785	781	777	773	770	768	766	765	764	763	763	763	763	764	764
20	781	771	762	754	748	742	738	735	732	730	729	728	729	729	729	730	730	731	732
25	741	729	719	711	705	700	696	693	691	691	690	691	692	693	695	696	698	699	700
30	695	682	671	663	656	652	649	648	648	649	651	653	655	658	660	662	665	666	667
35	644	629	618	610	604	601	600	601	603	606	610	614	618	622	625	629	632	634	635
40	589	573	562	553	549	547	549	552	557	562	568	575	580	586	591	596	599	601	603
45	529	512	501	494	492	493	496	502	510	518	527	535	543	550	557	562	566	569	570
50	465	449	438	433	433	437	443	453	463	474	486	496	501	502	504	505	506	507	508
55	400	383	374	372	374	381	391	403	417	430	432	435	437	439	441	443	444	445	446
60	334	318	311	311	317	327	341	356	359	363	367	370	373	376	378	380	382	383	383
65	268	253	248	252	262	276	286	289	293	298	302	307	310	314	316	319	320	321	321
70	203	189	189	197	211	217	221	226	231	235	240	245	249	252	255	257	258	259	258
75	139	129	133	147	152	157	162	166	171	176	180	185	188	191	194	195	197	197	196
80	80.0	73.8	84.3	90.7	96.7	102	107	111	114	118	122	125	128	131	133	134	135	135	133
85	26.5	28.5	37.8	44.2	49.1	52.7	55.3	57.8	59.8	61.9	64.4	66.7	68.9	70.7	72.2	73.1	73.4	72.6	71.1
90	3.87	5.05	5.55	5.95	6.27	6.41	6.46	6.43	6.40	6.76	7.79	8.77	9.86	10.9	11.7	12.1	11.8	10.6	8.65
95	0.00	6.45	14.3	19.0	21.4	23.1	24.3	25.4	26.5	27.6	29.2	30.8	32.3	33.8	35.0	35.7	35.8	35.0	33.6
100	0.00	11.8	30.9	35.8	38.5	41.0	43.1	45.0	47.0	48.9	51.0	53.0	54.9	56.7	58.3	59.3	59.8	59.5	58.5
105	0.00	15.0	33.0	54.2	58.7	61.0	63.5	66.1	68.4	70.8	73.2	75.6	77.7	79.9	81.7	83.0	83.9	84.0	83.5
110	0.00	16.1	33.7	53.7	77.5	83.8	85.8	88.9	91.2	93.6	96.3	98.7	101	103	105	107	108	108	108
115	0.00	16.6	34.3	74.0	101	107	111	113	115	117	120	122	125	127	129	131	132	133	133
120	86.1	98.5	120	125	126	129	133	138	140	142	144	147	149	151	153	155	156	158	158
125	166	157	153	151	151	152	145	159	164	168	170	171	174	176	178	179	181	182	183
130	194	186	180	174	164	147	178	181	179	158	175	191	199	201	202	204	205	207	208
135	165	160	151	199	201	201	200	185	129	144	160	174	188	202	220	227	229	231	233
140	247	239	233	228	221	200	129	102	117	131	144	157	169	198	241	243	237	237	246
145	202	186	145	89.8	53.0	66.2	79.2	92.0	105	117	128	139	170	227	258	258	238	245	258
150	0.00	11.8	23.6	35.3	47.0	58.5	69.9	81.0	91.7	102	112	151	210	274	275	267	229	252	271
155	0.00	10.2	20.4	30.4	40.4	50.2	59.8	69.0	78.0	106	158	235	291	291	287	259	241	259	283
160	0.00	8.40	16.8	25.0	33.3	41.6	80.0	123	158	242	308	308	308	303	279	231	258	277	296
165	140	149	169	200	241	285	331	330	329	327	326	321	307	274	231	255	272	304	308
170	361	358	355	353	351	348	343	337	327	315	288	259	228	249	269	279	293	329	321
175	227	228	230	233	237	243	249	256	264	272	280	285	286	286	304	328	343	338	333
180	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346

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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	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	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861
5	829	830	830	831	832	834	835	837	838	840	842	844	846	849	851	854	857	859	856
10	797	798	799	800	801	803	805	808	811	813	816	820	824	828	832	837	842	848	842
15	765	766	767	768	769	771	773	775	778	781	785	789	794	800	806	813	820	828	820
20	733	733	734	735	736	737	738	740	743	745	749	753	758	764	771	778	787	797	786
25	700	701	701	701	701	702	702	703	704	705	704	701	697	695	697	702	710	721	708
30	668	668	668	667	666	665	664	663	656	644	631	622	618	621	629	639	652	667	651
35	636	635	634	632	630	628	624	611	590	571	561	561	564	571	579	590	605	621	604
40	603	602	600	597	594	589	574	548	523	513	510	512	515	520	527	538	552	570	551
45	570	569	567	562	558	546	517	485	470	466	464	462	463	466	472	481	494	513	493
50	509	509	509	509	508	493	460	434	426	421	416	412	410	409	412	420	433	452	432
55	446	446	445	445	441	418	390	382	384	377	369	361	354	351	351	356	368	388	367
60	383	383	382	381	373	347	327	325	324	324	322	310	300	293	290	293	303	321	301
65	321	320	319	318	306	281	270	269	267	265	261	256	249	237	230	227	234	255	236
70	258	258	256	255	242	221	215	213	211	207	202	197	192	182	164	159	166	189	171
75	196	195	194	192	180	165	162	159	157	153	147	142	136	119	103	96.7	103	125	110
80	133	132	131	129	120	110	108	107	104	101	96.7	92.4	83.7	69.3	55.9	43.7	46.2	62.8	52.9
85	70.6	69.8	69.1	67.4	61.7	57.1	55.9	54.5	52.9	51.0	48.9	46.3	40.1	32.3	24.3	15.6	7.57	12.5	10.6
90	8.06	7.32	6.80	5.70	4.37	4.23	3.57	2.90	2.41	2.29	2.40	2.31	2.25	2.26	2.31	2.38	2.40	2.44	2.51
95	33.3	32.7	32.3	31.3	30.1	29.6	27.2	24.2	22.9	22.7	22.8	22.0	22.7	21.3	20.0	19.0	18.6	21.8	10.6
100	58.5	58.1	57.9	57.0	56.0	55.3	51.4	46.0	43.6	43.3	43.4	43.2	42.9	42.7	40.1	40.2	38.7	42.3	29.7
105	83.7	83.5	83.4	82.7	81.9	81.3	76.7	69.1	64.7	64.4	64.5	65.3	62.3	67.3	65.0	61.9	64.2	67.6	56.9
110	109	109	109	109	108	107	103	94.3	86.9	86.2	86.3	87.6	88.5	86.0	87.4	86.5	90.5	91.1	80.5
115	134	134	135	135	134	134	131	122	112	108	109	110	111	110	107	109	112	117	110
120	159	160	160	160	160	160	159	152	140	133	132	130	131	132	133	137	142	143	134
125	184	185	186	187	187	187	188	184	173	160	149	143	145	151	156	161	168	162	153
130	209	211	212	213	213	214	214	209	200	188	176	165	159	157	164	175	185	184	176
135	233	233	235	235	234	234	232	228	222	215	208	201	191	183	180	180	182	196	189
140	207	223	251	252	252	251	251	250	244	238	235	232	230	229	226	225	226	229	223
145	186	203	258	268	268	269	269	269	270	265	258	256	256	257	259	264	270	275	266
150	181	173	231	284	286	286	287	288	289	291	291	288	284	281	282	285	289	294	287
155	190	134	187	272	301	303	304	306	307	309	312	314	318	321	325	328	332	337	331
160	213	103	136	191	282	318	321	322	324	327	329	332	335	338	342	347	352	354	349
165	252	120	75.8	116	163	228	307	337	339	342	345	347	349	352	356	360	363	365	361
170	294	203	101	49.1	57.1	90.5	123	156	191	246	294	332	361	363	365	367	370	371	369
175	318	303	258	201	145	91.8	40.0	20.1	18.7	17.2	20.4	31.1	40.2	47.5	52.9	56.4	57.8	374	373
180	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	346	372	372

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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--3

UNIT: cd

C(°) \ γ (°)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861
5	854	851	848	846	843	841	839	837	836	834	833	831	830	829	828	828	828	828	828
10	837	832	827	823	819	815	811	809	806	803	801	799	798	797	795	795	794	794	794
15	812	805	799	793	788	783	779	775	772	770	768	766	765	763	762	761	761	760	760
20	776	768	762	756	750	746	742	739	736	734	732	731	730	729	729	728	728	727	726
25	698	692	689	690	693	697	699	699	698	697	696	695	695	695	695	694	694	693	692
30	637	625	616	611	612	619	631	645	654	657	658	659	660	660	661	661	661	660	658
35	589	577	568	560	554	551	556	572	594	612	620	622	624	625	627	627	627	626	624
40	537	525	516	511	507	504	503	507	525	554	577	585	588	590	592	593	594	593	591
45	479	469	462	459	457	457	458	459	465	490	525	546	552	555	558	560	560	559	557
50	417	408	404	404	406	409	413	416	419	432	465	493	498	498	498	498	498	497	497
55	354	347	346	348	354	361	368	374	372	372	391	422	435	436	436	436	436	436	435
60	290	286	288	293	302	313	315	316	316	315	324	353	372	373	374	374	374	374	373
65	228	227	232	242	248	253	258	260	261	262	265	288	309	311	312	312	312	312	311
70	167	171	180	186	191	196	201	205	207	209	210	226	245	249	250	250	250	250	250
75	110	119	126	132	138	143	148	152	155	156	157	167	183	187	188	188	188	188	188
80	59.9	69.8	77.9	84.5	89.5	93.7	97.6	101	103	105	105	111	122	125	126	126	126	126	126
85	22.5	31.7	37.5	41.7	44.9	47.3	49.3	51.3	52.6	53.3	53.5	56.1	62.0	63.9	64.2	64.2	64.3	64.6	64.9
90	2.43	2.24	2.21	2.19	2.20	2.13	2.11	2.18	2.24	2.22	2.21	2.23	2.31	2.36	2.40	2.28	2.32	2.83	3.48
95	11.0	15.4	18.3	22.4	22.2	20.6	21.6	22.0	22.6	22.1	24.9	28.4	28.0	27.9	27.9	27.9	28.0	28.3	28.7
100	27.6	32.3	38.5	43.7	42.3	39.4	41.5	42.0	43.0	42.0	48.9	54.5	53.6	53.4	53.5	53.5	53.6	53.8	54.0
105	53.1	56.1	65.3	65.1	61.6	60.0	61.9	62.8	63.3	62.0	75.1	80.6	79.2	79.0	79.0	79.2	79.3	79.3	79.3
110	78.2	85.1	89.4	86.6	79.3	82.0	83.0	84.6	83.6	83.0	104	106	105	105	105	105	105	105	105
115	108	107	105	101	104	105	105	107	104	108	134	132	131	130	130	130	131	130	130
120	127	122	120	123	125	128	129	127	124	142	162	158	156	156	156	156	156	156	155
125	148	146	143	142	142	146	149	148	150	184	187	184	182	182	182	182	182	182	181
130	169	164	160	158	162	167	169	167	191	216	213	209	208	207	207	208	208	207	207
135	183	179	181	186	190	191	189	203	228	232	231	231	231	231	232	233	233	233	231
140	220	220	220	218	214	214	226	244	250	249	248	248	248	248	248	249	249	248	247
145	258	251	245	243	246	256	266	269	267	266	265	265	265	265	264	264	264	263	262
150	282	279	280	284	289	291	289	287	285	284	283	282	281	281	281	280	280	279	278
155	327	323	320	316	312	309	306	304	302	301	299	299	298	297	297	296	295	294	293
160	344	340	336	332	329	326	324	321	319	317	316	315	314	313	312	311	311	310	309
165	357	353	350	347	344	341	339	337	335	333	332	330	330	328	327	327	326	325	325
170	366	363	361	359	356	354	353	351	349	348	347	346	344	344	343	342	341	341	341
175	371	370	369	368	366	365	364	363	362	361	360	360	359	358	358	357	357	357	356
180	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372

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:120.3V I:0.2100A P:25.10W PF:0.9930 Lamp Flux:3157.56x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	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	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861				
5	828	828	829	830	831	832	833	835	836	838	840	843	845	848	851				
10	794	795	795	796	798	799	801	803	806	810	813	817	821	826	831				
15	760	760	761	761	762	764	765	768	772	775	779	784	790	796	804				
20	726	725	725	725	725	727	728	730	733	736	741	747	753	761	771				
25	691	690	689	688	687	687	688	689	691	694	698	704	711	719	729				
30	657	654	653	650	649	647	647	646	646	648	650	655	662	671	682				
35	622	619	616	613	609	606	603	601	599	599	600	603	609	618	629				
40	587	584	580	575	570	564	559	554	551	548	547	549	553	561	573				
45	553	549	544	538	530	523	516	508	501	496	493	492	494	501	512				
50	496	496	496	495	492	482	472	462	452	444	437	434	434	438	449				
55	434	434	433	431	430	430	428	416	403	392	382	376	373	375	384				
60	372	371	370	368	366	364	362	359	357	342	329	319	313	312	318				
65	311	309	307	306	303	300	297	294	290	288	279	265	255	250	254				
70	249	248	246	244	242	239	235	231	227	224	221	215	200	191	191				
75	187	186	185	183	181	178	175	171	167	164	159	156	151	137	131				
80	126	126	124	123	122	120	117	114	111	108	104	99.7	95.2	89.8	77.2				
85	64.9	64.8	64.4	63.9	63.2	62.1	61.0	59.6	58.0	56.0	53.8	50.9	46.8	41.7	34.3				
90	3.85	4.17	4.42	4.66	4.94	5.24	5.50	5.79	6.04	6.28	6.45	6.60	6.70	6.80	6.87				
95	28.8	28.7	28.5	28.1	27.7	27.3	26.7	26.1	25.0	24.0	22.7	20.9	18.2	12.5	4.47				
100	53.7	53.3	52.6	51.7	50.8	49.6	48.3	46.8	44.7	42.7	40.3	37.4	34.0	28.1	23.8				
105	78.7	78.0	76.9	75.6	74.2	72.5	70.6	68.4	65.8	63.1	60.3	57.4	54.0	49.7	48.4				
110	104	103	101	99.9	98.1	96.1	93.9	91.5	89.1	85.7	83.1	79.8	75.1	72.5	73.6				
115	129	128	126	125	123	121	118	116	114	111	106	101	98.1	97.5	100				
120	154	153	152	150	148	146	144	142	140	134	129	125	123	124	127				
125	180	179	177	176	174	172	171	166	160	156	152	150	149	151	155				
130	206	204	203	202	200	195	190	186	182	178	176	175	175	178	183				
135	229	227	224	221	217	214	210	207	203	201	200	200	202	205	210				
140	245	243	241	238	235	233	230	227	226	225	224	225	227	231	236				
145	261	259	257	256	254	252	250	249	248	247	248	250	252	256	261				
150	277	275	274	273	272	271	270	269	270	270	271	273	276	280	285				
155	293	292	291	290	290	290	290	290	291	292	293	296	299	303	307				
160	308	308	308	307	307	307	308	309	310	312	313	316	319	323	327				
165	324	324	324	324	324	325	326	327	328	329	331	334	336	339	343				
170	341	340	340	341	341	342	342	343	344	346	347	349	351	353	355				
175	356	356	357	357	357	358	358	358	359	360	361	362	363	364	365				
180	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372				

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