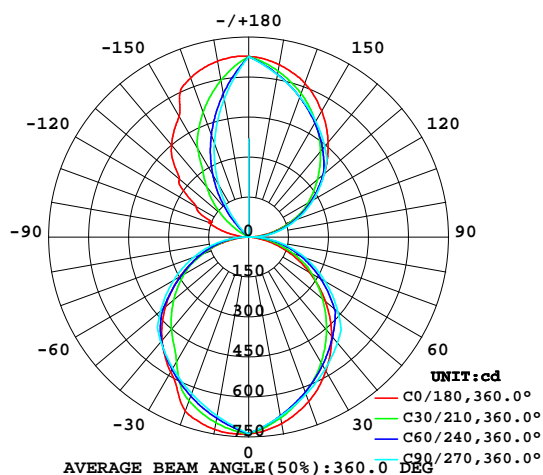


## LUMINAIRE PHOTOMETRIC TEST REPORT

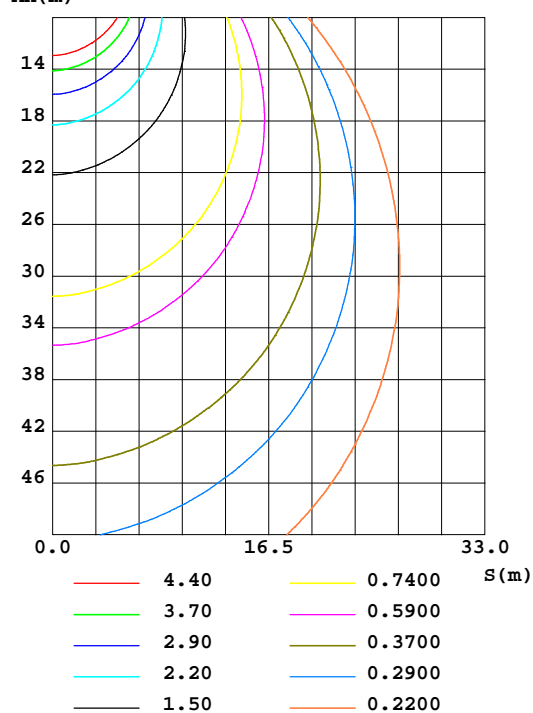
Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.18 lm/W			
MODEL		I <sub>max</sub> (cd)	739.8	S/MH(C0/180)	1.18
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3205.9	η UP,DN(C0-180)	27.1,30.5
NOMINAL FLUX(lm)	3205.92	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.1,30.3
LAMPS INSIDE	1	η up(%)	39.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.2	η down(%)	60.7	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



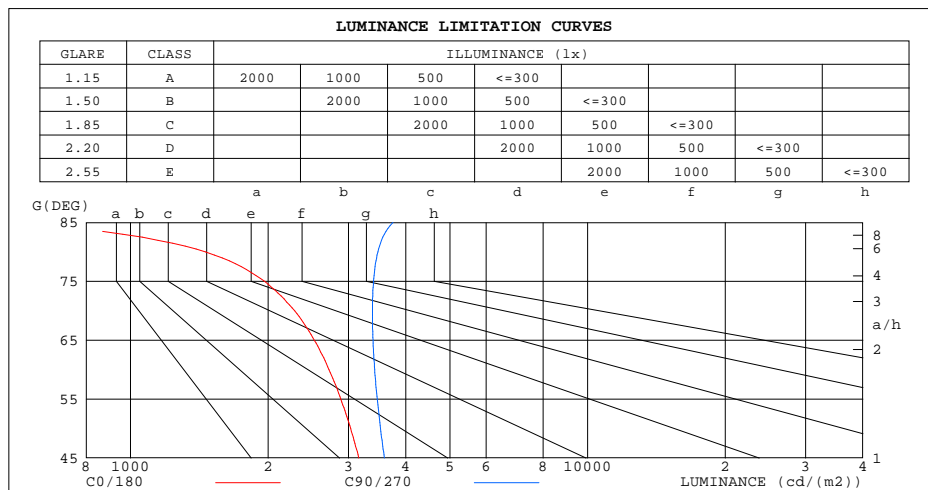
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:26.3DEG  
 Operators:Ethan  
 Test Date:2021-08-16

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 1:1

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	727.9	713.4	709.9	720.3	739.4	719.8	709.2	712.9	0- 5	17.34	17.34	0.54,0.54
10	710.8	683.4	682.6	698.8	733.3	697.7	681.2	682.6	5- 10	50.47	67.82	2.12,2.12
15	686.1	652.1	655.2	673.6	718.0	671.9	653.1	650.9	10- 15	80.75	148.6	4.63,4.63
20	656.8	618.6	627.8	645.0	694.8	642.8	625.1	617.2	15- 20	107.5	256.1	7.99,7.99
25	621.3	582.9	600.5	613.6	633.5	610.5	597.0	581.5	20- 25	129.9	386.0	12.12
30	580.0	546.2	573.1	575.2	585.4	569.0	569.0	544.9	25- 30	146.8	532.8	16.6,16.6
35	534.1	508.3	545.8	519.1	547.3	509.5	540.9	507.3	30- 35	159.2	692.0	21.6,21.6
40	485.1	469.5	518.4	461.1	505.8	452.6	512.9	468.8	35- 40	167.3	859.3	26.8,26.8
45	431.5	431.6	491.0	416.5	459.1	410.2	484.8	430.7	40- 45	171.1	1030	32.1,32.1
50	376.4	392.7	437.6	380.2	407.7	374.7	431.5	392.6	45- 50	169.6	1200	37.4,37.4
55	319.8	353.6	384.1	345.2	354.0	338.7	378.2	354.2	50- 55	161.3	1361	42.5,42.5
60	262.5	297.1	330.6	294.2	298.1	288.0	324.9	297.1	55- 60	147.8	1509	47.1,47.1
65	206.0	243.0	277.1	243.4	240.9	237.6	271.6	242.1	60- 65	130.2	1639	51.1,51.1
70	151.1	191.6	223.6	193.1	184.3	187.9	218.3	190.4	65- 70	109.3	1749	54.5,54.5
75	98.24	142.6	170.1	144.6	128.5	139.1	165.0	140.8	70- 75	86.01	1835	57.2,57.2
80	48.97	95.74	116.6	97.39	73.88	91.84	111.6	93.43	75- 80	61.51	1896	59.1,59.1
85	9.629	50.46	63.14	50.95	26.21	45.61	58.34	47.93	80- 85	37.01	1933	60.3,60.3
90	3.941	6.021	9.651	5.041	3.196	0.0000	5.026	2.954	85- 90	13.71	1947	60.7,60.7
95	22.44	46.99	54.71	39.71	26.33	0	4.468	2.251	90- 95	7.567	1954	61.61
100	72.45	88.53	99.77	75.59	66.12	0	3.909	1.257	95-100	18.41	1973	61.5,61.5
105	119.0	131.0	144.8	112.9	113.9	0	3.351	0.6241	100-105	30.14	2003	62.5,62.5
110	167.7	174.7	189.9	151.3	159.8	0.6034	2.792	0.3456	105-110	42.12	2045	63.8,63.8
115	218.3	220.1	234.9	193.0	191.1	0.8404	2.234	0.0000	110-115	54.04	2099	65.5,65.5
120	269.3	267.2	280.0	240.4	227.4	0.4282	1.675	0.0401	115-120	66.22	2165	67.5,67.5
125	320.5	315.3	325.1	296.0	294.2	0.0070	1.117	0	120-125	77.88	2243	70.70
130	369.9	350.9	370.1	343.0	339.4	54.58	0.5584	56.82	125-130	88.91	2332	72.7,72.7
135	418.2	386.9	415.2	384.8	400.0	113.2	0	118.3	130-135	98.87	2431	75.8,75.8
140	464.2	423.1	444.3	427.4	450.7	181.7	75.36	180.9	135-140	108.5	2540	79.2,79.2
145	507.3	459.7	473.5	473.1	488.5	255.2	150.7	244.7	140-145	114.6	2654	82.8,82.8
150	548.0	496.1	502.7	509.2	523.1	320.5	226.1	309.2	145-150	116.0	2770	86.4,86.4
155	583.5	530.9	531.8	543.6	606.7	385.0	301.4	373.4	150-155	113.1	2883	89.9,89.9
160	615.3	563.8	561.0	575.7	636.1	448.1	376.8	436.7	155-160	104.2	2987	93.2,93.2
165	638.5	595.5	590.1	606.4	657.0	510.1	452.2	499.2	160-165	89.18	3077	96.96
170	657.3	625.5	619.3	633.5	671.3	569.0	527.5	561.6	165-170	69.16	3146	98.1,98.1
175	671.2	653.0	648.4	657.2	678.5	625.9	602.9	621.1	170-175	44.50	3190	99.5,99.5
180	677.6	677.6	677.6	677.6	678.2	678.2	678.2	678.2	175-180	15.66	3206	100.100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m²)		
G(°)	C0/180	C90/270
85	572	3750
80	1460	3476
75	1965	3402
70	2286	3384
65	2523	3394
60	2717	3422
55	2886	3466
50	3031	3523
45	3159	3594

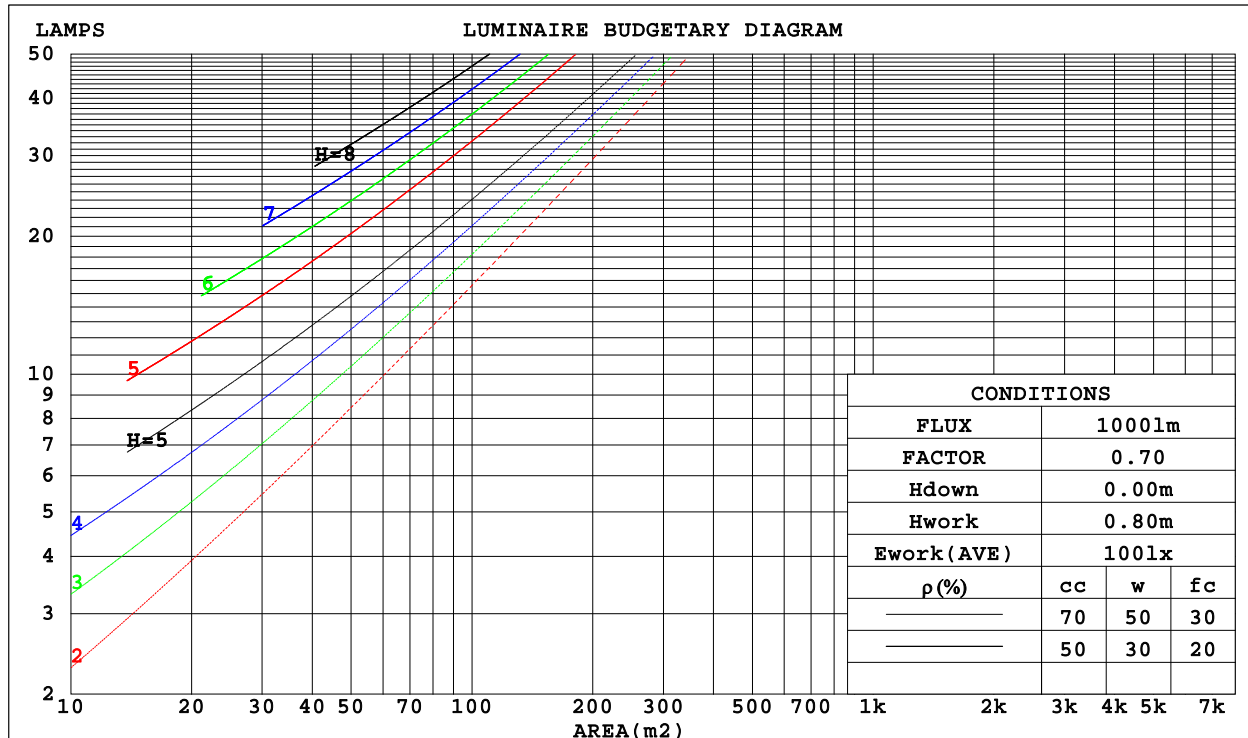
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 26.3DEG  
Operators: Ethan  
Test Date: 2021-08-16

$\gamma$  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 1:1

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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	1.10	1.10	1.10	1.03	1.03	1.03	.89	.89	.89	.77	.77	.77	.66	.66	.66	.61
1.0	.95	.91	.87	.89	.86	.82	.78	.75	.73	.67	.65	.64	.58	.56	.55	.50
2.0	.83	.76	.71	.78	.72	.67	.68	.64	.60	.59	.56	.53	.50	.48	.46	.42
3.0	.73	.65	.59	.68	.61	.56	.60	.54	.50	.52	.48	.44	.45	.41	.39	.35
4.0	.64	.56	.50	.60	.53	.47	.53	.47	.42	.46	.42	.38	.40	.36	.33	.30
5.0	.57	.49	.43	.54	.46	.41	.47	.41	.37	.41	.36	.33	.36	.32	.29	.26
6.0	.51	.43	.37	.48	.41	.35	.43	.36	.32	.37	.32	.29	.32	.28	.25	.23
7.0	.46	.38	.32	.44	.36	.31	.39	.33	.28	.34	.29	.25	.30	.26	.23	.20
8.0	.42	.34	.29	.40	.32	.27	.35	.29	.25	.31	.26	.23	.27	.23	.20	.18
9.0	.38	.31	.26	.36	.29	.25	.32	.26	.22	.29	.24	.20	.25	.21	.18	.16
10.0	.35	.28	.23	.33	.27	.22	.30	.24	.20	.26	.22	.18	.23	.19	.17	.15



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 1:1

## WEC AND CCEC

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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	.295	.168	.053	.276	.157	.050	.241	.138	.044	.208	.120	.039	.178	.103	.033	
2.0	.273	.150	.046	.256	.141	.043	.224	.125	.039	.194	.109	.034	.167	.094	.030	
3.0	.252	.134	.040	.236	.126	.038	.207	.112	.034	.180	.098	.030	.154	.085	.026	
4.0	.232	.121	.035	.218	.114	.034	.191	.101	.030	.166	.089	.027	.143	.078	.024	
5.0	.215	.109	.032	.202	.103	.030	.177	.092	.027	.154	.081	.024	.132	.071	.021	
6.0	.199	.100	.029	.187	.095	.027	.164	.084	.025	.143	.074	.022	.123	.065	.019	
7.0	.185	.092	.026	.174	.087	.025	.153	.078	.022	.134	.069	.020	.115	.060	.018	
8.0	.173	.085	.024	.163	.080	.023	.144	.072	.020	.125	.063	.018	.108	.055	.016	
9.0	.163	.079	.022	.153	.075	.021	.135	.067	.019	.118	.059	.017	.102	.052	.015	
10.0	.153	.073	.020	.144	.070	.019	.127	.062	.018	.111	.055	.016	.096	.048	.014	

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	.490	.490	.490	.419	.419	.419	.286	.286	.286	.164	.164	.164	.052	.052	.052	
1.0	.481	.458	.437	.412	.393	.376	.281	.270	.260	.162	.156	.151	.052	.050	.049	
2.0	.473	.436	.404	.406	.375	.349	.278	.259	.244	.160	.151	.143	.051	.049	.047	
3.0	.466	.420	.382	.400	.362	.331	.274	.251	.232	.159	.147	.137	.051	.048	.045	
4.0	.459	.407	.368	.394	.352	.319	.271	.245	.225	.157	.144	.133	.050	.047	.044	
5.0	.453	.398	.357	.389	.344	.311	.268	.240	.219	.155	.141	.130	.050	.046	.043	
6.0	.446	.390	.350	.383	.338	.305	.264	.236	.216	.153	.139	.128	.050	.045	.042	
7.0	.440	.384	.344	.378	.333	.300	.261	.233	.213	.152	.137	.127	.049	.045	.042	
8.0	.434	.378	.340	.374	.328	.297	.258	.230	.211	.150	.136	.125	.049	.045	.042	
9.0	.428	.374	.337	.369	.325	.294	.256	.228	.209	.149	.135	.125	.048	.044	.041	
10.0	.423	.370	.335	.365	.321	.292	.253	.226	.207	.148	.134	.124	.048	.044	.041	

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 1:1

## Uncorrected UGR Table

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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	13.6	14.6	14.3	15.4	16.3	14.9	15.9	15.6	16.7	17.6	
	3H	14.8	15.7	15.5	16.5	17.4	16.6	17.5	17.3	18.3	
	4H	15.2	16.0	15.9	16.8	17.8	17.3	18.2	18.1	19.0	
	6H	15.3	16.2	16.2	17.0	18.0	18.0	18.8	18.8	19.6	
	8H	15.3	16.1	16.2	17.0	18.0	18.2	19.0	19.0	19.8	
	12H	15.3	16.0	16.1	16.9	17.9	18.4	19.2	19.3	20.0	
4H	2H	14.3	15.2	15.1	16.0	16.9	15.3	16.1	16.0	16.9	
	3H	15.7	16.4	16.5	17.2	18.3	17.1	17.9	18.0	18.7	
	4H	16.2	16.9	17.1	17.7	18.8	18.0	18.7	18.9	19.6	
	6H	16.5	17.1	17.4	18.0	19.1	18.8	19.4	19.7	20.3	
	8H	16.6	17.1	17.4	18.0	19.1	19.2	19.7	20.0	20.6	
	12H	16.5	17.0	17.4	17.9	19.1	19.4	19.9	20.3	20.8	
8H	4H	16.6	17.1	17.5	18.0	19.1	18.2	18.7	19.1	19.6	
	6H	17.1	17.6	18.0	18.5	19.6	19.1	19.6	20.0	20.5	
	8H	17.3	17.7	18.2	18.6	19.7	19.6	20.0	20.5	20.9	
	12H	17.3	17.7	18.3	18.6	19.8	20.0	20.3	20.9	21.3	
12H	4H	16.6	17.1	17.5	18.0	19.1	18.1	18.6	19.0	19.5	
	6H	17.2	17.6	18.2	18.5	19.7	19.2	19.5	20.1	20.5	
	8H	17.5	17.8	18.4	18.7	19.9	19.7	20.0	20.6	20.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.1 / - 0.1					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2					

CIE Pub.117 Corrected 3206 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 1:1

## UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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:

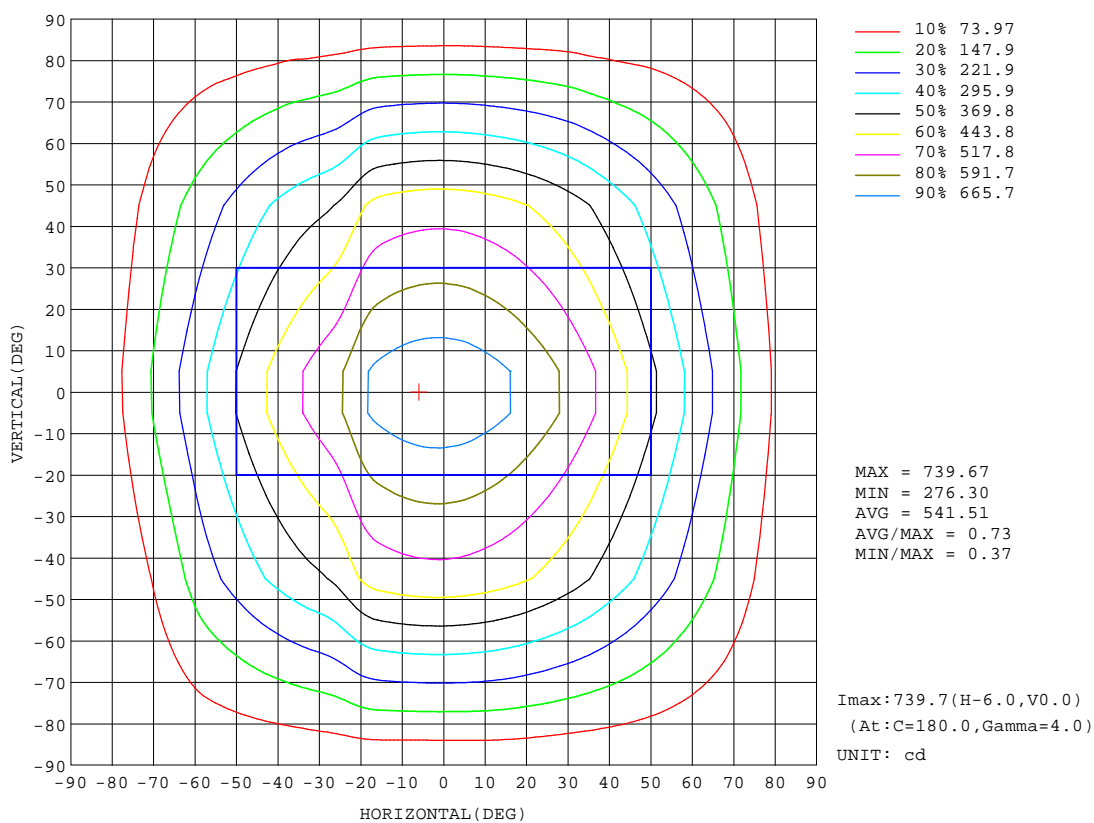
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	36	29	45	34	28	41	32	27	19
0.80	56	45	38	53	43	36	48	40	34	25
1.00	64	53	45	61	50	44	55	48	41	30
1.25	71	60	53	67	57	51	60	52	47	34
1.50	76	66	58	72	63	56	64	57	51	37
2.00	83	74	67	78	70	64	69	63	58	42
2.50	88	79	73	82	75	69	72	67	62	44
3.00	91	84	77	85	79	74	75	70	66	47
4.00	95	89	84	89	84	79	78	74	71	50
5.00	98	93	88	92	87	83	80	77	74	52
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

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 1:1

## ISOCANDELA DIAGRAM

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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:

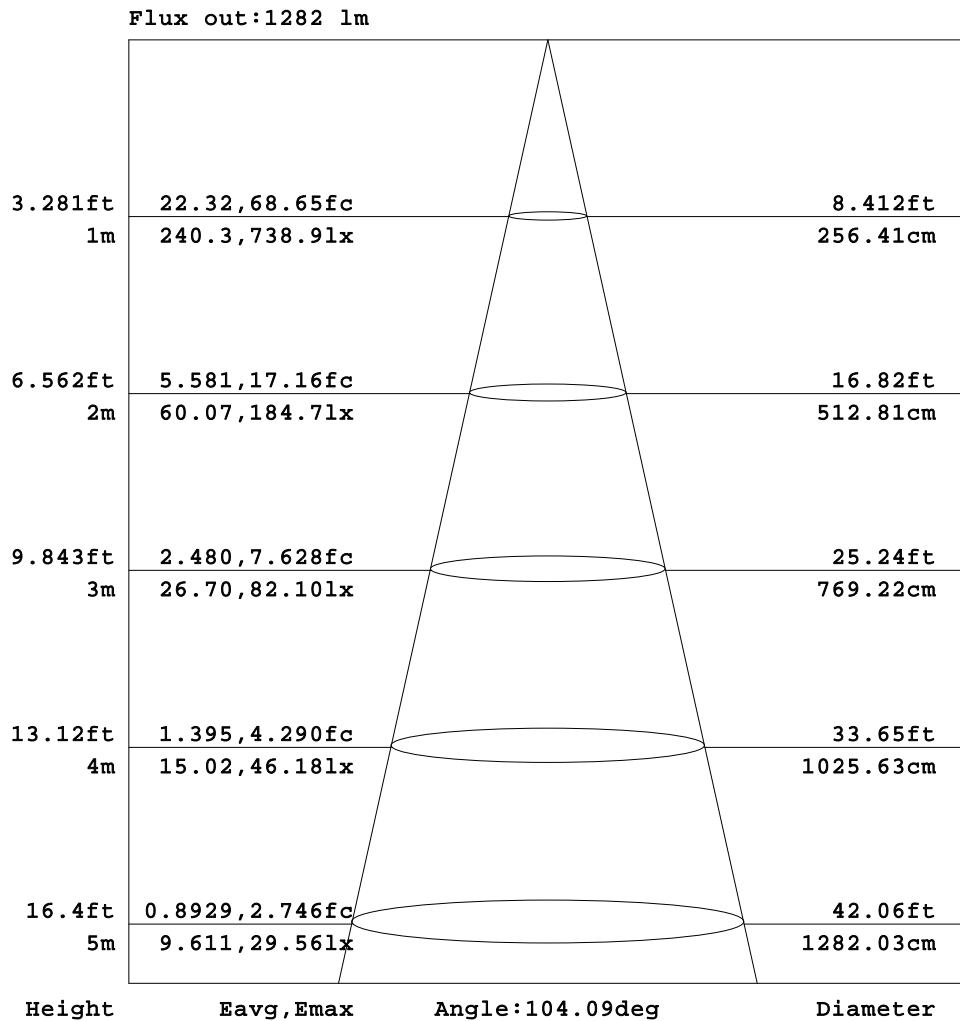


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

$\gamma$  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 1:1

AAI Figure

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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:



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

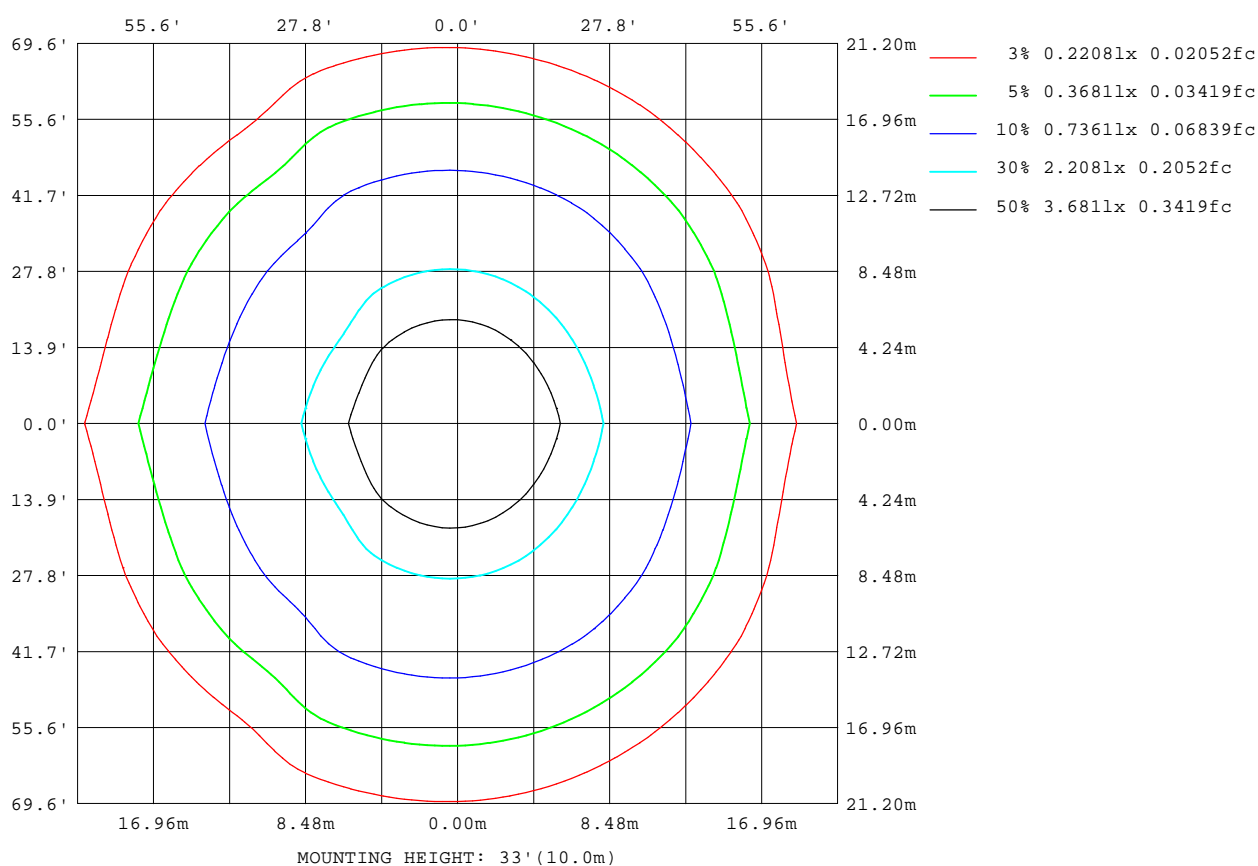
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

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 1:1



## ISOLUX DIAGRAM

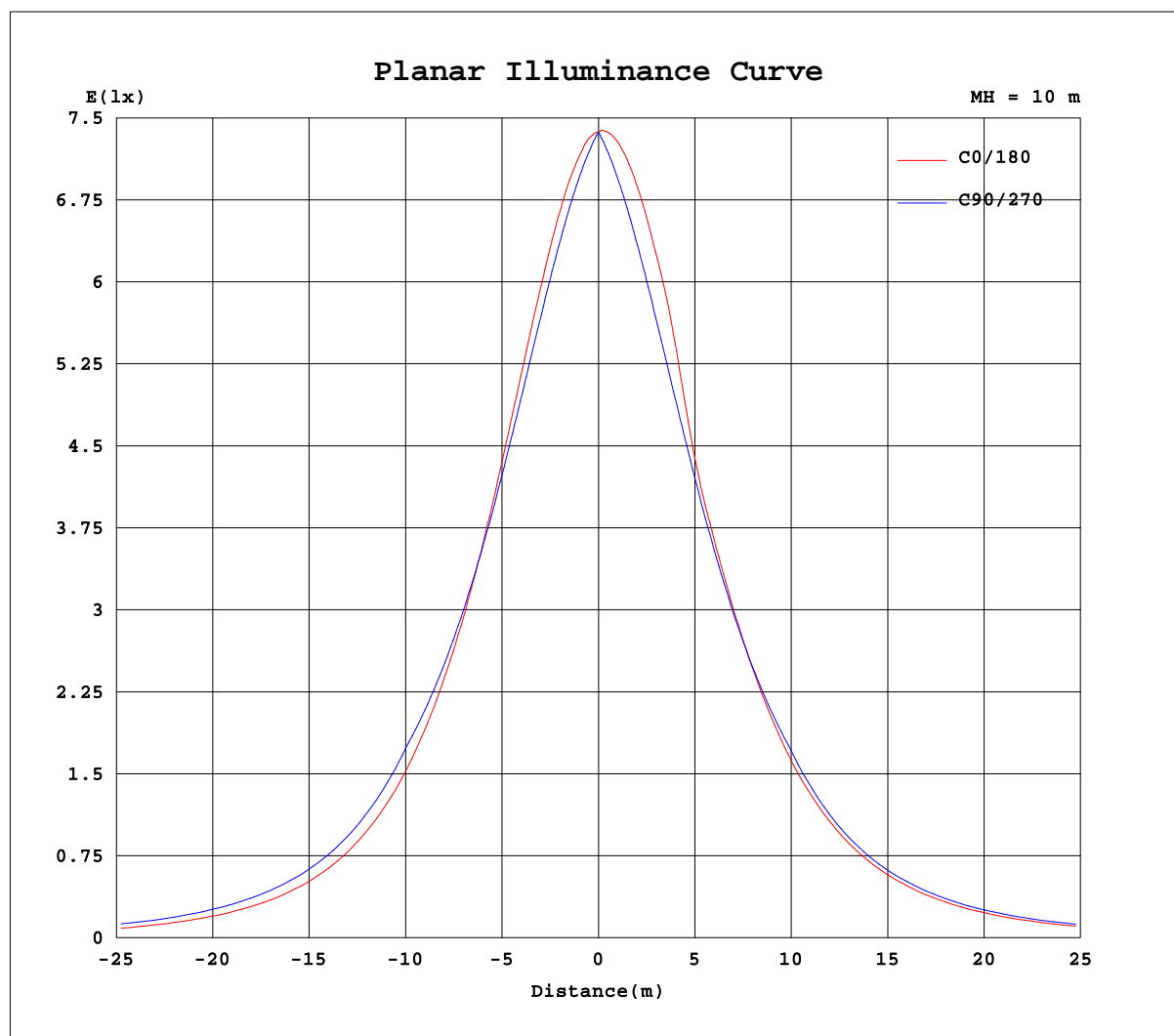
Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



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 1:1

## 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 1:1

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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(°) γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737
5	728	726	723	722	720	718	717	716	714	713	713	712	711	710	710	710	710	710	710
10	711	706	702	698	695	692	689	687	685	683	682	682	681	681	682	682	682	682	683
15	686	680	674	669	665	661	658	656	653	652	651	651	650	651	651	653	654	655	655
20	657	649	641	635	630	626	623	620	619	619	618	618	619	620	621	623	625	627	628
25	621	612	603	597	592	588	585	583	583	583	584	585	587	589	592	594	597	599	600
30	580	569	560	553	548	545	544	544	544	546	549	551	555	558	562	565	568	571	573
35	534	522	512	506	502	500	500	502	504	508	512	517	522	527	531	536	540	544	546
40	485	472	463	457	453	453	454	459	464	470	476	483	490	496	502	507	511	516	518
45	432	418	409	404	403	404	409	415	423	432	440	448	457	465	472	478	483	488	491
50	376	363	354	351	351	355	362	371	381	393	404	414	421	424	427	430	432	435	438
55	320	306	299	297	300	307	317	328	341	354	358	362	366	369	373	376	379	382	384
60	263	249	244	245	251	261	273	287	292	297	302	308	311	316	320	323	326	329	331
65	206	194	191	195	204	216	227	232	237	243	249	254	259	263	267	271	274	276	277
70	151	140	140	148	161	168	174	180	186	192	197	202	207	211	215	218	221	223	224
75	98.2	89.9	93.8	105	113	119	126	132	137	143	147	152	156	159	163	166	169	170	170
80	49.0	44.7	53.8	62.5	69.9	76.7	82.1	87.2	91.7	95.7	99.4	102	105	108	112	114	116	117	117
85	9.63	10.8	21.5	29.3	34.6	38.9	42.1	45.2	48.0	50.5	52.6	54.2	55.8	58.0	60.5	62.7	64.1	64.2	63.1
90	3.94	3.76	3.79	3.79	3.92	4.02	4.26	4.91	5.52	6.02	6.36	6.35	6.41	7.78	9.45	11.1	11.9	11.4	9.65
95	22.4	28.4	34.8	37.8	39.4	41.0	42.4	44.0	45.6	47.0	48.1	48.8	49.6	51.4	53.4	55.2	56.3	56.1	54.7
100	72.5	67.5	75.8	76.2	78.2	79.9	82.0	84.3	86.4	88.5	90.2	91.6	93.0	95.1	97.4	99.4	101	101	99.8
105	119	110	112	120	121	122	124	126	129	131	133	135	137	139	142	144	145	146	145
110	168	156	154	158	166	168	169	170	173	175	177	179	181	184	186	188	190	190	190
115	218	205	200	200	204	212	217	217	219	220	222	224	226	228	231	233	234	235	235
120	269	255	247	245	246	251	257	266	266	267	268	270	272	274	276	277	279	280	280
125	320	305	296	291	290	292	297	302	309	315	316	317	318	319	321	323	324	325	325
130	370	355	344	338	335	335	337	341	346	351	356	362	365	366	366	368	369	370	370
135	418	403	392	385	380	378	379	380	383	387	391	395	399	403	407	410	412	414	415
140	464	450	439	430	425	421	420	420	421	423	426	429	432	434	437	439	442	443	444
145	507	494	483	474	468	464	461	459	459	460	461	463	464	466	468	469	471	473	473
150	548	536	525	516	510	505	501	498	497	496	496	496	496	497	498	499	501	502	503
155	584	573	563	556	549	543	539	536	533	531	529	528	528	528	529	530	530	531	532
160	615	606	598	591	585	579	574	570	566	564	562	561	560	559	559	560	560	560	561
165	638	631	625	619	614	609	604	601	598	596	594	592	591	590	590	589	589	590	590
170	657	652	648	644	640	636	633	631	628	625	624	622	621	620	619	619	619	619	619
175	671	669	666	664	662	660	658	656	654	653	652	651	650	650	649	648	648	648	648
180	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678

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 1:1

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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(DEC) γ (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737
5	711	712	713	714	715	716	717	719	720	722	724	726	728	730	732	735	737	739	737
10	684	685	687	688	690	692	694	696	699	702	705	708	711	715	719	724	729	733	728
15	657	659	660	662	664	666	668	671	674	677	680	684	689	694	699	705	711	718	711
20	630	632	633	635	636	638	640	642	645	647	651	656	660	666	672	678	686	695	686
25	603	604	606	607	608	609	610	611	614	616	616	614	612	611	612	617	624	633	623
30	576	577	578	578	579	579	579	579	575	566	555	547	544	546	552	561	572	585	572
35	548	549	550	550	549	548	546	536	519	503	494	494	498	504	512	522	533	547	533
40	521	521	521	520	518	516	504	482	461	453	452	454	457	462	469	479	491	506	490
45	493	494	493	491	489	480	455	429	417	414	414	414	415	417	423	431	443	459	442
50	440	442	444	445	447	434	406	385	380	378	375	371	370	370	373	380	391	408	390
55	386	388	389	390	389	369	346	342	345	341	334	329	324	321	322	327	337	354	336
60	333	334	335	336	330	308	292	293	294	295	296	286	278	272	271	273	282	298	281
65	279	279	281	282	273	251	243	243	243	243	241	240	234	225	219	216	223	241	225
70	225	225	226	227	217	199	195	195	193	192	189	186	185	177	161	156	164	184	169
75	171	171	172	173	163	151	148	147	145	142	139	137	132	119	106	100	107	129	116
80	117	117	118	119	111	103	101	99.2	97.4	95.1	92.6	90.0	83.0	71.2	60.4	51.5	55.2	73.9	65.1
85	63.3	63.4	64.6	65.3	61.1	56.6	54.4	52.5	51.0	49.4	48.0	46.4	41.2	34.5	27.9	21.2	15.8	26.2	23.7
90	9.43	9.40	10.6	11.8	11.5	10.3	7.95	6.11	5.04	4.62	4.63	4.46	4.24	3.97	3.58	3.48	2.93	3.20	2.55
95	54.6	54.4	55.4	56.2	55.5	53.7	48.1	42.6	39.7	37.4	36.4	35.3	35.3	33.3	30.8	25.5	19.8	26.3	0.10
100	99.7	99.5	100	101	99.7	97.5	89.3	80.0	75.6	70.8	69.2	66.8	68.1	65.5	62.3	59.7	56.1	66.1	32.6
105	145	145	145	145	144	142	132	119	113	105	103	101	102	102	99.5	96.9	100	114	73.0
110	190	190	190	190	189	187	178	161	151	143	139	138	136	141	137	131	125	160	112
115	235	235	235	235	234	232	226	208	193	187	177	177	175	173	177	180	187	191	151
120	280	280	280	280	279	278	275	260	240	230	223	214	213	213	217	225	237	227	186
125	326	326	325	325	325	325	324	315	296	276	267	260	251	252	260	268	280	294	252
130	371	371	371	371	372	371	370	361	343	324	310	306	306	302	302	308	320	339	296
135	416	415	414	412	410	407	404	397	385	372	360	352	351	355	362	371	383	400	358
140	445	445	444	443	442	440	439	437	427	415	408	402	400	402	408	418	431	451	410
145	474	475	474	474	474	473	473	473	473	468	454	447	446	448	453	461	471	488	451
150	504	504	505	505	505	506	506	508	509	511	514	513	506	499	498	502	509	523	491
155	533	534	534	535	536	537	539	541	544	547	551	555	561	568	575	583	593	607	576
160	562	563	564	565	567	568	571	573	576	580	584	589	594	601	608	616	624	636	611
165	591	592	593	595	596	598	601	603	606	610	613	618	623	628	634	641	648	657	638
170	620	621	622	623	625	627	628	631	633	637	640	643	647	651	655	660	665	671	658
175	649	649	650	651	652	653	654	656	657	659	661	663	665	667	670	672	675	678	672
180	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678

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 1:1

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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(°) γ (°)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737
5	734	732	730	728	726	724	722	720	718	717	715	714	713	712	711	710	709	709	709
10	724	719	715	711	707	704	701	698	695	693	690	688	687	685	684	683	681	681	681
15	704	698	693	688	683	679	675	672	669	666	664	662	660	658	656	655	653	653	652
20	677	670	664	659	654	649	645	643	640	637	635	634	632	630	629	627	625	624	623
25	615	610	608	608	610	612	612	610	608	607	605	604	603	602	601	599	597	596	594
30	560	550	543	540	542	549	559	569	574	575	575	574	574	573	572	571	569	567	564
35	521	511	502	496	491	489	495	510	527	539	543	544	544	544	544	543	541	539	535
40	477	467	460	455	451	448	447	453	470	493	509	513	514	515	516	515	513	511	507
45	430	421	415	411	410	409	410	410	418	441	468	481	485	486	487	487	485	482	479
50	379	371	367	367	367	370	372	375	377	392	419	437	438	437	435	434	432	429	427
55	325	319	318	320	324	330	335	339	335	336	354	378	384	382	381	380	378	376	373
60	271	268	269	273	281	289	289	288	286	285	295	318	328	328	327	326	325	323	320
65	217	217	222	229	234	235	237	238	237	236	241	260	273	274	273	273	272	270	267
70	165	169	177	180	181	183	186	188	189	189	191	205	219	220	219	219	218	217	215
75	116	124	127	130	133	134	137	139	142	141	143	152	164	166	166	166	165	164	162
80	71.9	76.2	80.4	84.0	87.1	87.8	89.9	91.8	95.2	94.0	95.9	102	110	112	112	112	112	111	109
85	29.9	35.0	39.5	42.1	44.1	44.0	44.5	45.6	49.0	47.3	49.6	52.4	56.7	57.5	57.8	58.1	58.3	57.8	56.8
90	0.00	0.00	2.43	2.57	2.78	1.06	0.00	0.00	3.22	0.85	3.56	3.78	3.57	3.61	3.97	4.44	5.03	4.84	4.32
95	0.00	0.26	1.67	1.91	2.18	0.72	0.00	0.00	2.80	0.78	3.13	3.32	3.15	3.20	3.52	3.94	4.47	4.30	3.84
100	1.02	0.50	0.99	1.30	1.62	0.24	0.00	0.00	2.44	0.78	2.72	2.85	2.72	2.79	3.08	3.46	3.91	3.76	3.36
105	38.0	3.52	0.39	0.76	0.91	0.00	0.00	0.00	2.03	0.88	2.33	2.38	2.29	2.39	2.64	2.97	3.35	3.23	2.88
110	64.8	40.0	8.67	0.27	0.15	0.00	0.00	0.60	1.19	1.05	1.89	1.91	1.87	1.99	2.19	2.48	2.79	2.69	2.40
115	115	79.3	46.6	18.2	0.00	0.00	0.00	0.84	0.39	1.06	1.42	1.46	1.45	1.59	1.75	1.99	2.23	2.15	1.92
120	150	123	96.5	65.4	32.1	1.66	0.11	0.43	0.24	0.79	0.95	1.01	1.05	1.18	1.31	1.50	1.68	1.62	1.45
125	216	182	143	111	83.7	54.6	25.0	0.01	0.16	0.38	0.50	0.58	0.66	0.77	0.87	1.00	1.12	1.08	0.96
130	256	225	196	168	138	109	80.8	54.6	30.6	9.04	0.07	0.17	0.26	0.35	0.42	0.50	0.56	0.53	0.46
135	321	287	254	222	192	164	137	113	95.7	77.6	57.7	40.5	26.1	14.8	6.58	1.65	0.00	1.64	6.50
140	372	337	304	274	245	219	196	182	167	146	128	113	99.5	89.2	81.7	77.1	75.4	76.6	80.6
145	417	384	354	325	300	283	272	255	234	216	199	185	173	164	157	153	151	152	155
150	461	435	414	398	383	364	341	320	302	285	270	257	246	238	232	228	226	227	229
155	547	520	494	469	445	424	404	385	368	353	340	329	320	312	307	303	301	302	304
160	586	563	541	519	500	481	464	448	434	421	410	401	392	386	382	378	377	377	379
165	619	600	583	566	551	536	523	510	499	488	479	472	465	460	456	453	452	453	454
170	645	633	621	609	598	588	578	569	561	554	548	542	537	533	530	528	528	528	529
175	665	659	653	647	641	636	631	626	622	618	614	611	608	606	604	603	603	603	604
180	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678

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 1:1

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2670A P:32.00W PF:0.9960 Lamp Flux:3205.92x1 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	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737				
5	709	709	710	710	711	712	713	714	715	716	718	719	721	723	726				
10	681	680	680	680	681	681	683	684	686	689	692	695	698	702	706				
15	651	650	649	649	649	650	651	652	655	657	660	664	669	674	680				
20	621	619	618	617	617	617	617	618	619	622	625	630	635	641	648				
25	591	589	587	585	584	582	581	581	582	584	587	591	597	603	611				
30	562	558	555	552	549	547	545	543	543	543	545	548	553	560	569				
35	532	528	524	519	515	511	507	504	501	500	500	502	506	512	522				
40	502	498	493	487	481	475	469	463	459	455	453	453	457	463	472				
45	473	468	462	455	447	439	431	423	415	409	405	403	405	409	418				
50	425	423	420	418	413	403	393	382	372	363	357	352	351	355	363				
55	371	369	366	364	361	358	354	342	330	318	309	302	298	300	307				
60	318	315	313	310	306	301	297	293	289	275	263	253	247	245	250				
65	265	263	260	257	252	247	242	238	233	229	220	207	197	193	195				
70	212	210	208	205	200	195	190	186	181	176	171	164	151	143	141				
75	160	158	156	154	148	144	141	138	133	128	122	117	109	96.7	91.6				
80	108	107	105	103	98.0	95.1	93.4	91.6	87.8	83.4	78.6	72.7	65.7	58.1	47.3				
85	55.9	55.3	54.7	53.3	48.8	47.3	47.9	47.5	45.4	42.9	40.1	36.0	31.2	23.3	14.5				
90	3.96	4.01	4.25	3.71	0.00	0.00	2.95	4.44	4.39	4.35	4.30	4.22	3.95	0.60	0.00				
95	3.50	3.53	3.73	3.31	0.00	0.00	2.25	3.65	3.54	3.39	3.19	2.89	2.39	12.2	0.10				
100	3.06	3.05	3.20	3.03	0.00	0.00	1.26	2.85	2.73	2.48	2.15	1.68	1.00	1.06	45.3				
105	2.61	2.57	2.67	2.73	0.15	0.03	0.62	2.00	1.96	1.63	1.22	0.66	3.90	39.0	74.7				
110	2.17	2.09	2.15	2.16	0.44	0.38	0.35	1.26	1.24	0.87	0.41	9.78	45.7	81.7	120				
115	1.72	1.62	1.64	1.61	0.72	0.00	0.00	0.33	0.53	0.20	19.8	55.1	91.0	128	169				
120	1.27	1.16	1.14	1.08	0.84	0.02	0.04	0.05	1.73	34.9	68.7	103	139	177	220				
125	0.83	0.72	0.65	0.57	0.44	0.09	0.00	25.7	55.9	87.3	120	154	190	228	271				
130	0.37	0.28	0.19	0.08	8.81	31.9	56.8	83.6	112	142	173	206	242	280	322				
135	14.5	25.4	39.3	55.7	74.4	95.4	118	143	169	198	228	260	295	332	372				
140	87.5	97.0	109	124	141	160	181	204	228	255	283	314	347	383	421				
145	161	169	180	193	209	226	245	266	288	313	340	368	399	432	468				
150	235	242	251	262	276	292	309	328	349	371	396	422	450	480	512				
155	308	315	322	332	344	358	373	391	409	429	451	474	499	525	553				
160	382	387	394	402	412	423	437	451	467	485	504	524	545	567	590				
165	456	460	466	473	480	489	499	511	523	537	552	568	584	601	619				
170	531	533	537	542	547	554	562	570	579	588	598	609	621	633	645				
175	605	606	608	611	614	617	621	625	630	635	641	646	652	659	665				
180	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678				

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 1:1