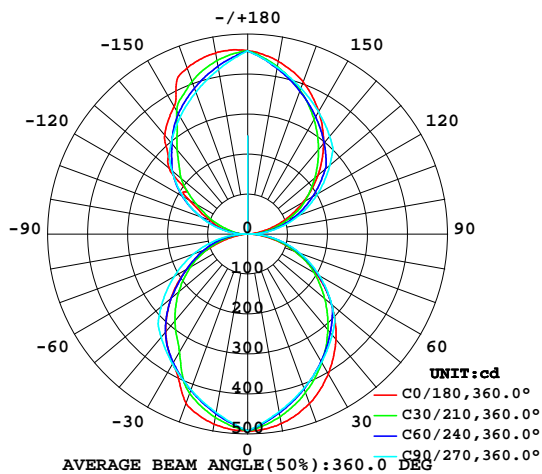


## LUMINAIRE PHOTOMETRIC TEST REPORT

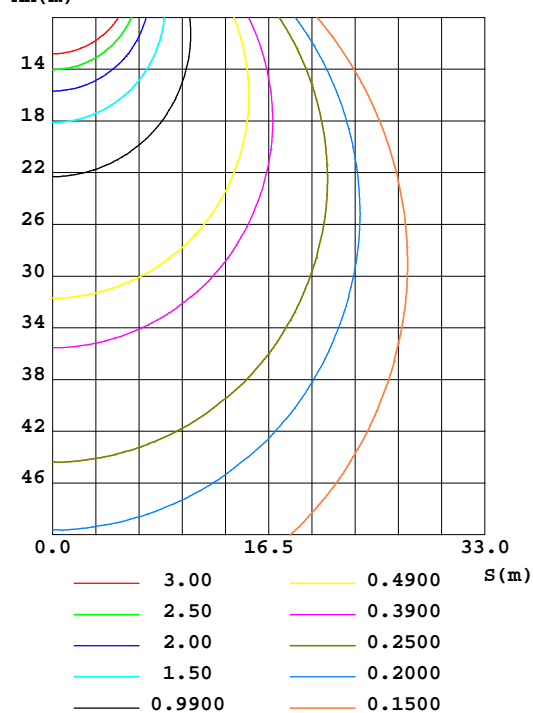
Test:U:120.2V I:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.91x1 lm					
NAME: 二代线条灯			TYPE:上下发光 白色外壳		WEIGHT:
DIM.: 2FT			SPEC.:4000K		SERIAL No.:YQ2107-7
MFR.: YQ			SUR.:0.171*1.13m		PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.54 lm/W			
MODEL		I <sub>max</sub> (cd)	492.9	S/MH(C0/180)	1.22
NOMINAL POWER(W)	20	LOR(%)	100.1	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2454.9	η UP,DN(C0-180)	24.8,25.8
NOMINAL FLUX(lm)	2452.91	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	23.4,26.1
LAMPS INSIDE	1	η up(%)	48.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.2	η down(%)	51.9	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



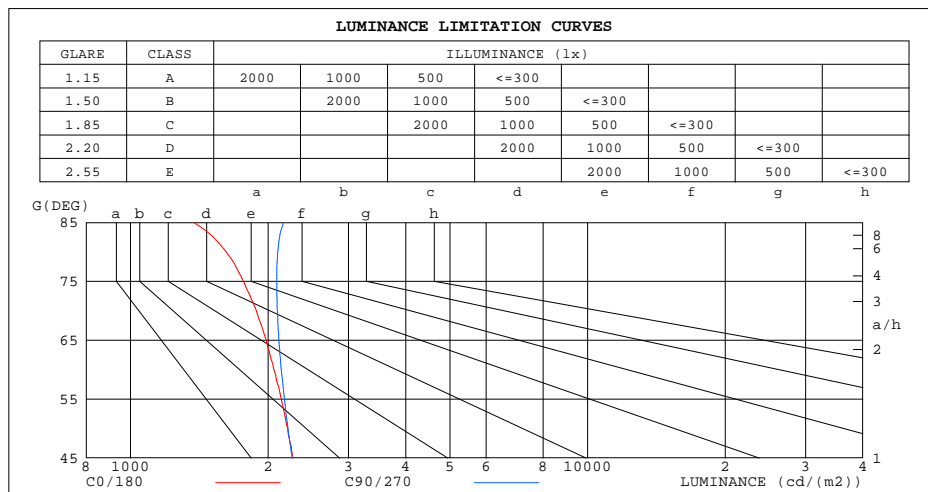
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:26.3DEG  
 Operators:Ethan  
 Test Date:2021-08-16

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	489.6	476.4	471.9	476.9	490.5	477.6	472.9	477.2	0- 5	11.56	11.56	0.47,0.47
10	481.3	458.0	451.5	458.8	483.0	460.2	453.4	459.5	5- 10	33.59	45.15	1.84,1.84
15	468.6	437.7	431.1	438.6	469.8	440.5	434.0	440.2	10- 15	53.65	98.80	4.02,4.03
20	451.2	415.9	410.6	416.0	450.4	418.6	414.6	419.1	15- 20	71.27	170.1	6.93,6.93
25	429.5	391.8	390.2	391.9	406.4	394.0	395.2	396.0	20- 25	85.82	255.9	10.4,10.4
30	403.6	367.6	369.8	364.1	374.9	359.0	375.8	372.8	25- 30	96.70	352.6	14.4,14.4
35	374.9	341.7	349.4	329.9	348.4	315.6	356.4	348.1	30- 35	104.6	457.2	18.6,18.6
40	343.8	315.5	329.0	294.8	319.6	281.4	336.9	322.9	35- 40	109.7	566.9	23.1,23.1
45	309.7	289.6	308.6	261.0	285.9	256.2	317.5	297.9	40- 45	111.7	678.6	27.6,27.7
50	274.0	263.5	274.6	229.9	250.7	231.7	282.5	273.4	45- 50	110.3	788.9	32.1,32.2
55	236.7	237.3	240.6	201.9	214.0	206.9	247.5	248.4	50- 55	104.6	893.5	36.4,36.4
60	198.9	200.7	206.5	170.0	175.6	174.9	212.4	211.0	55- 60	95.70	989.2	40.3,40.3
65	161.8	165.1	172.5	139.7	137.9	143.6	177.4	174.4	60- 65	84.17	1073	43.7,43.8
70	124.5	130.9	138.5	110.2	99.51	113.2	142.4	139.1	65- 70	70.61	1144	46.6,46.6
75	88.33	97.89	104.5	82.14	63.45	84.11	107.4	105.0	70- 75	55.59	1200	48.9,48.9
80	54.32	66.18	70.44	54.87	29.78	56.03	72.35	71.88	75- 80	39.91	1239	50.5,50.5
85	23.13	35.16	36.42	28.43	4.349	28.66	37.33	39.63	80- 85	24.26	1264	51.5,51.5
90	5.487	4.613	2.397	2.485	2.487	1.837	2.301	7.882	85- 90	9.384	1273	51.9,51.9
95	3.499	31.33	35.68	31.14	26.44	26.55	32.93	32.01	90- 95	8.760	1282	52.2,52.3
100	27.53	58.50	68.96	60.30	58.21	52.18	63.56	56.62	95-100	22.35	1304	53.1,53.2
105	60.61	86.59	102.2	90.23	79.25	78.76	94.19	82.06	100-105	36.72	1341	54.6,54.7
110	92.49	116.0	135.5	122.2	98.24	105.5	124.8	108.7	105-110	50.86	1392	56.7,56.7
115	126.0	146.6	168.8	157.4	129.7	131.1	155.5	137.0	110-115	64.37	1456	59.3,59.4
120	160.6	178.8	202.1	195.8	166.8	156.9	186.1	166.7	115-120	76.85	1533	62.4,62.5
125	195.3	212.7	235.4	239.3	185.4	188.3	216.7	197.8	120-125	88.01	1621	66.6,66.1
130	229.9	236.4	268.6	267.4	256.9	221.7	247.3	222.5	125-130	96.97	1718	70.7,70
135	263.4	260.4	301.9	290.1	281.8	255.7	278.0	247.6	130-135	102.6	1821	74.2,74.2
140	295.4	284.9	319.3	314.1	323.4	293.5	298.1	273.2	135-140	104.2	1925	78.4,78.5
145	326.3	309.3	336.7	344.0	347.2	325.8	318.2	299.1	140-145	102.5	2027	82.6,82.7
150	355.1	334.1	354.1	365.7	368.2	347.3	338.3	325.1	145-150	97.92	2125	86.6,86.6
155	381.7	357.8	371.5	386.4	421.6	373.8	358.4	350.3	150-155	90.80	2216	90.3,90.3
160	405.4	380.1	388.9	405.2	442.1	397.0	378.5	373.6	155-160	80.36	2296	93.5,93.6
165	423.5	401.9	406.2	421.9	453.4	415.9	398.6	397.2	160-165	66.46	2363	96.3,96.3
170	439.0	422.7	423.6	436.6	460.2	433.1	418.7	418.7	165-170	49.99	2413	98.3,98.4
175	451.1	441.6	441.0	449.0	462.4	447.3	438.8	440.1	170-175	31.30	2444	99.6,99.6
180	458.4	458.4	458.4	458.4	458.9	458.9	458.9	458.9	175-180	10.77	2455	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1373	2163
80	1619	2100
75	1766	2089
70	1885	2096
65	1981	2113
60	2059	2138
55	2136	2171
50	2206	2211
45	2267	2259

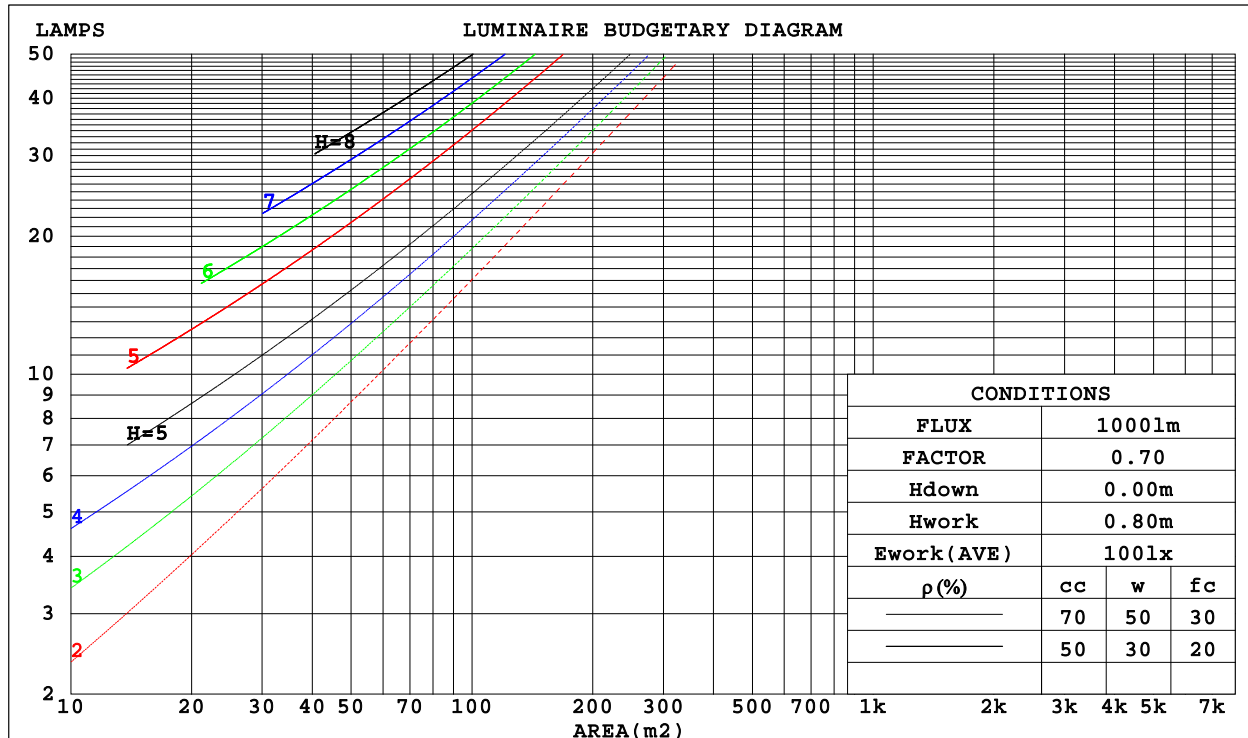
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 26.3DEG  
Operators: Ethan  
Test Date: 2021-08-16

$\gamma$  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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.9lx1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	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	1.08	1.08	1.08	.00	.00	.00	.84	.84	.84	.71	.71	.71	.58	.58	.58	.52	
1.0	.93	.89	.86	.87	.83	.80	.74	.71	.69	.62	.60	.58	.51	.49	.48	.43	
2.0	.81	.75	.70	.75	.70	.65	.64	.60	.57	.54	.51	.48	.44	.42	.40	.36	
3.0	.71	.64	.58	.66	.60	.54	.57	.51	.47	.48	.44	.41	.39	.36	.34	.30	
4.0	.63	.55	.49	.59	.51	.46	.50	.45	.40	.42	.38	.35	.35	.32	.29	.26	
5.0	.56	.48	.42	.52	.45	.39	.45	.39	.35	.38	.33	.30	.31	.28	.25	.22	
6.0	.50	.42	.36	.47	.40	.34	.40	.35	.30	.34	.30	.26	.28	.25	.22	.19	
7.0	.45	.37	.32	.42	.35	.30	.37	.31	.27	.31	.27	.23	.26	.22	.20	.17	
8.0	.41	.33	.28	.39	.31	.27	.33	.28	.24	.28	.24	.21	.24	.20	.18	.15	
9.0	.38	.30	.25	.35	.28	.24	.31	.25	.21	.26	.22	.19	.22	.19	.16	.14	
10.0	.35	.27	.22	.32	.26	.21	.28	.23	.19	.24	.20	.17	.20	.17	.15	.13	



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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.91x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	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	.289	.165	.052	.268	.153	.049	.227	.130	.042	.190	.110	.035	.156	.090	.029	
2.0	.268	.147	.045	.248	.137	.042	.211	.117	.036	.177	.099	.031	.146	.083	.026	
3.0	.247	.131	.039	.229	.122	.037	.195	.106	.032	.164	.090	.028	.135	.075	.023	
4.0	.227	.118	.035	.211	.110	.033	.180	.096	.029	.152	.081	.025	.125	.068	.021	
5.0	.210	.107	.031	.195	.100	.029	.167	.087	.026	.141	.074	.022	.116	.062	.019	
6.0	.195	.098	.028	.182	.092	.026	.155	.080	.023	.131	.068	.020	.108	.057	.017	
7.0	.182	.090	.026	.169	.084	.024	.145	.073	.021	.122	.063	.018	.101	.052	.015	
8.0	.170	.083	.023	.158	.078	.022	.136	.068	.019	.115	.058	.017	.095	.049	.014	
9.0	.160	.077	.022	.149	.072	.020	.128	.063	.018	.108	.054	.015	.089	.045	.013	
10.0	.150	.072	.020	.140	.068	.019	.120	.059	.017	.102	.050	.014	.084	.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	.558	.558	.558	.477	.477	.477	.325	.325	.325	.187	.187	.187	.060	.060	.060	
1.0	.549	.527	.506	.470	.452	.436	.321	.311	.301	.185	.180	.175	.059	.058	.057	
2.0	.542	.505	.474	.464	.434	.409	.318	.301	.286	.183	.175	.167	.059	.057	.055	
3.0	.535	.489	.452	.458	.422	.392	.315	.293	.275	.182	.171	.162	.058	.056	.053	
4.0	.528	.477	.438	.453	.412	.380	.311	.287	.268	.180	.168	.158	.058	.055	.052	
5.0	.521	.467	.428	.448	.404	.372	.308	.283	.263	.179	.166	.156	.058	.054	.051	
6.0	.515	.460	.421	.443	.398	.366	.305	.279	.259	.177	.164	.154	.057	.054	.051	
7.0	.509	.454	.415	.438	.393	.362	.302	.276	.256	.176	.162	.153	.057	.053	.050	
8.0	.503	.449	.411	.433	.389	.358	.300	.273	.254	.174	.161	.152	.056	.053	.050	
9.0	.498	.444	.408	.429	.385	.356	.297	.271	.253	.173	.160	.151	.056	.053	.050	
10.0	.493	.440	.405	.425	.382	.354	.295	.269	.251	.172	.159	.150	.056	.052	.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 1:1

Uncorrected UGR Table

Test:U:120.2V I:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.9lx1 lm											
NAME: 二代线条灯					TYPE:上下发光 白色外壳			WEIGHT:			
DIM.: 2FT					SPEC.:4000K			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	12H	12.1	13.0	12.9	13.9	14.9	12.6	13.6	13.4	14.4	15.5
	8H	13.5	14.3	14.3	15.2	16.3	14.2	15.1	15.1	15.9	17.0
	6H	14.0	14.8	14.9	15.7	16.8	14.9	15.7	15.8	16.6	17.7
	4H	14.4	15.1	15.3	16.0	17.2	15.5	16.2	16.4	17.1	18.3
	3H	14.5	15.2	15.4	16.1	17.3	15.7	16.4	16.6	17.3	18.5
	2H	14.6	15.3	15.5	16.2	17.3	15.9	16.6	16.8	17.5	18.6
4H	12H	12.6	13.4	13.5	14.3	15.4	13.0	13.8	13.9	14.7	15.9
	8H	14.2	14.9	15.1	15.8	17.0	14.8	15.5	15.7	16.4	17.6
	6H	14.9	15.5	15.8	16.4	17.6	15.7	16.3	16.6	17.2	18.4
	4H	15.4	15.9	16.4	16.9	18.1	16.4	16.9	17.3	17.9	19.1
	3H	15.6	16.1	16.5	17.0	18.3	16.7	17.2	17.6	18.1	19.4
	2H	15.7	16.1	16.6	17.1	18.3	16.9	17.3	17.9	18.3	19.6
8H	12H	15.2	15.7	16.1	16.6	17.9	15.8	16.3	16.8	17.3	18.5
	8H	15.9	16.3	16.9	17.3	18.5	16.7	17.2	17.7	18.1	19.4
	6H	16.1	16.5	17.1	17.5	18.8	17.1	17.5	18.1	18.5	19.8
	4H	16.3	16.6	17.4	17.7	19.0	17.5	17.8	18.5	18.8	20.1
12H	12H	15.2	15.6	16.1	16.6	17.8	15.8	16.3	16.8	17.2	18.5
	8H	15.9	16.3	16.9	17.3	18.6	16.8	17.1	17.8	18.1	19.4
	6H	16.3	16.6	17.3	17.6	18.9	17.2	17.5	18.2	18.5	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 2453 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.1)

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

## UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.9lx1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

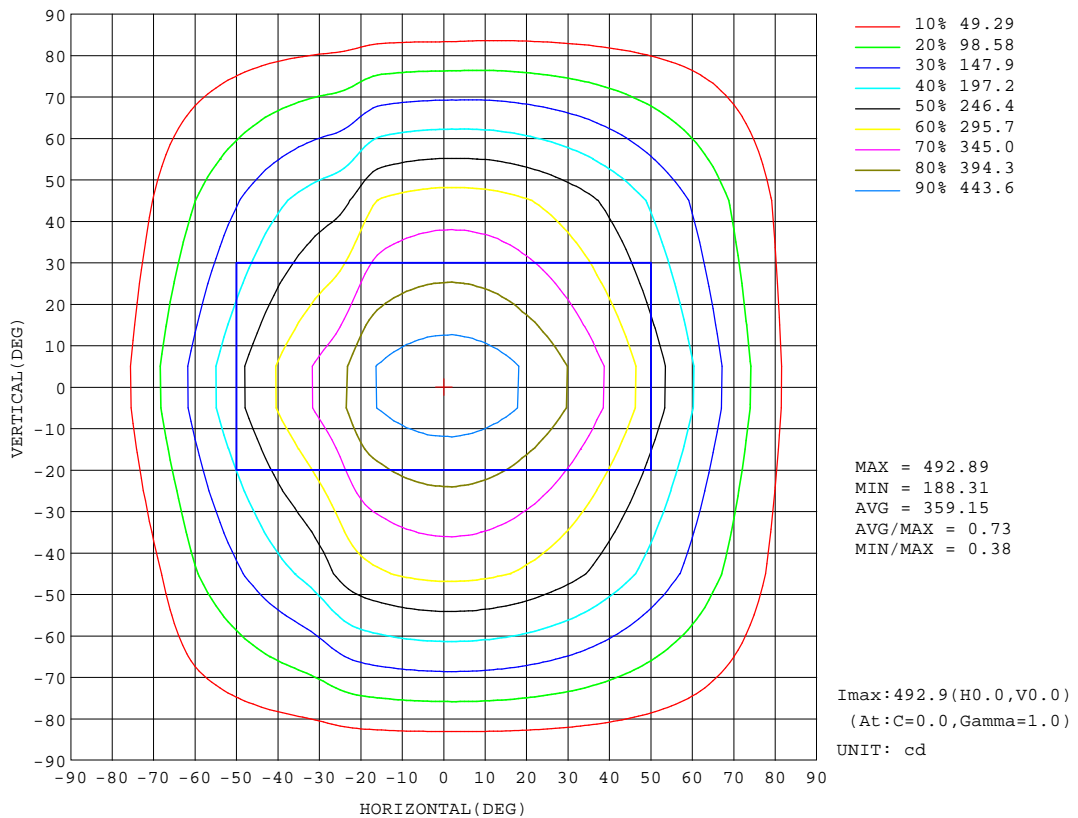
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	33	27	42	32	26	38	29	24	17
0.80	54	42	35	51	40	34	45	36	31	21
1.00	62	50	43	58	47	41	51	44	37	26
1.25	68	57	50	64	54	48	56	48	43	29
1.50	74	63	56	69	59	53	60	53	47	32
2.00	81	71	64	75	67	61	65	59	54	36
2.50	85	77	70	79	72	66	68	62	58	38
3.00	89	81	75	82	76	70	70	66	62	40
4.00	93	87	81	86	81	76	74	70	66	43
5.00	96	90	86	89	84	80	76	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

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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.9lx1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



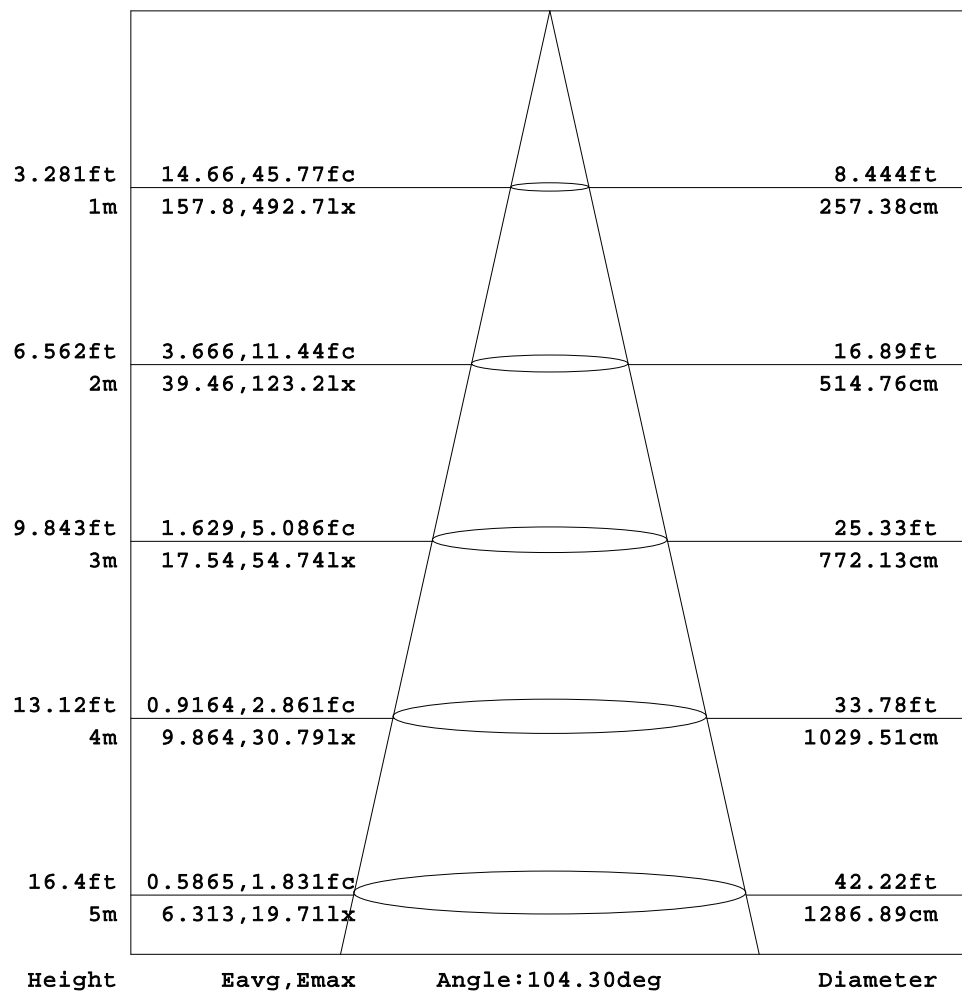
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:26.3DEG  
Operators:Ethan  
Test Date:2021-08-16

$\gamma$  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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.9lx1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Flux out:842.1 lm



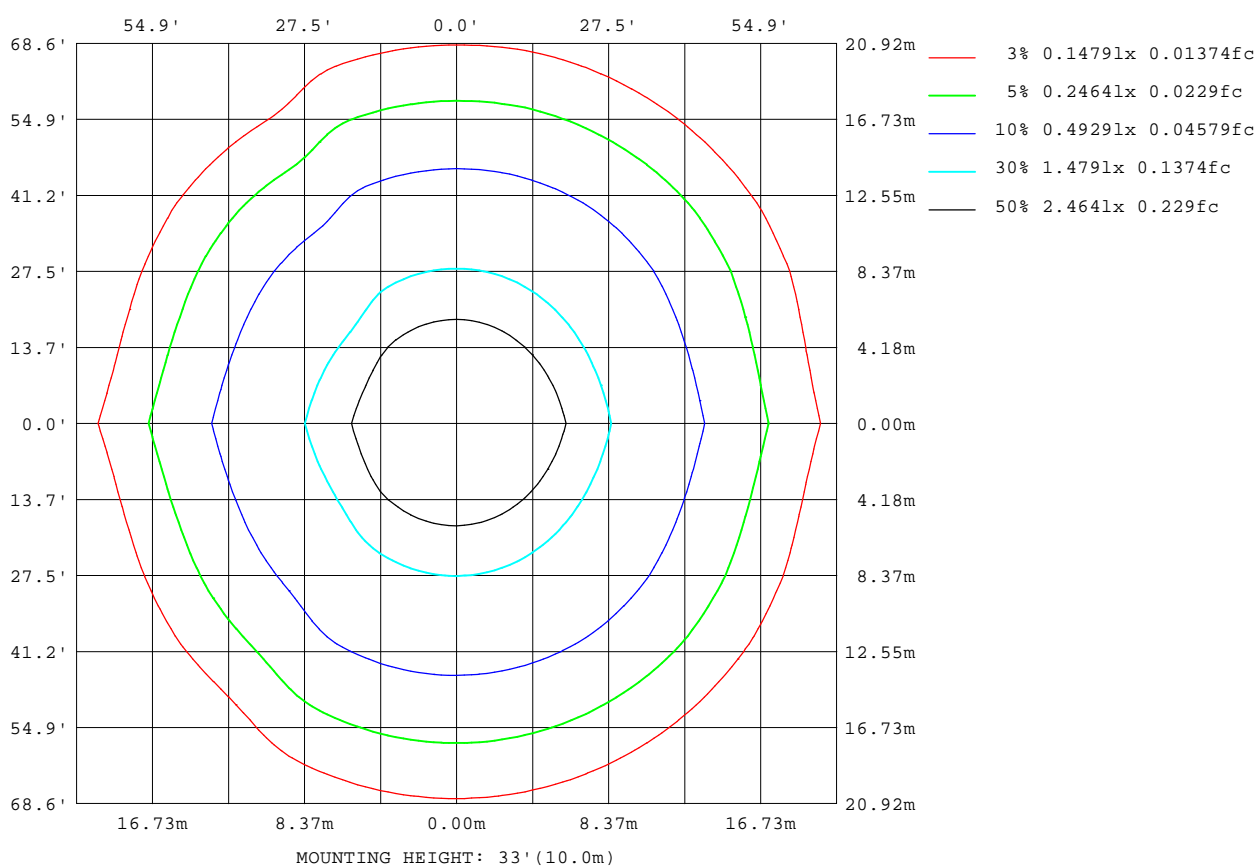
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 1:1

## ISOLUX DIAGRAM

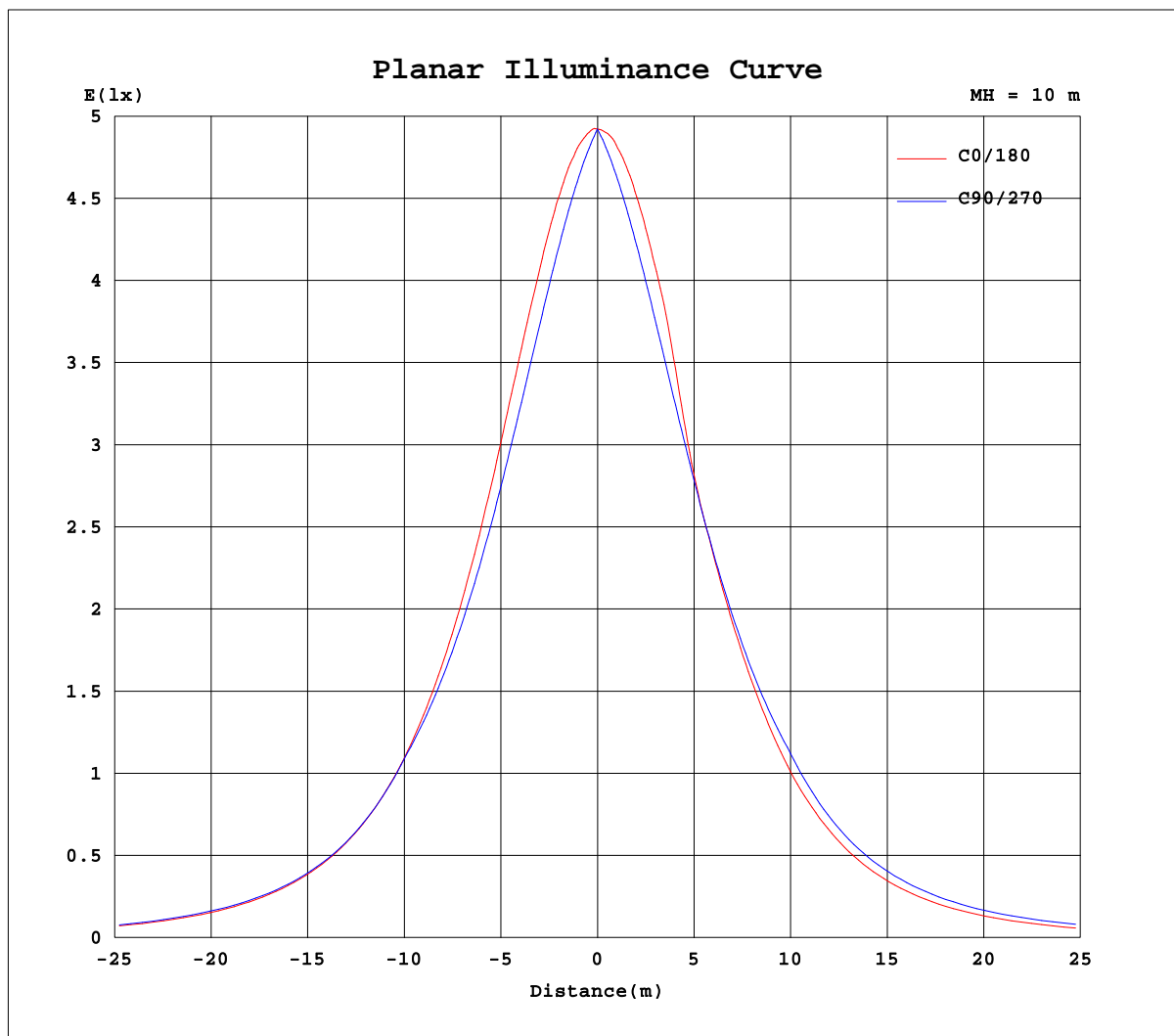
Test:U:120.2V I:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.9lx1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.91x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492
5	490	488	486	484	483	481	480	479	477	476	476	475	474	474	473	473	473	472	472
10	481	478	475	472	469	467	464	462	460	458	457	456	454	453	453	452	452	452	451
15	469	464	459	455	451	448	445	442	440	438	436	435	434	433	432	432	431	432	431
20	451	445	439	434	429	425	422	420	418	416	414	413	412	412	411	411	411	411	411
25	429	422	415	410	405	401	398	395	393	392	391	391	390	390	390	390	390	390	390
30	404	395	388	382	377	373	371	369	368	368	367	367	368	368	369	369	370	370	370
35	375	365	357	351	347	344	342	341	341	342	343	344	345	346	347	348	349	349	349
40	344	333	325	319	315	313	312	313	314	315	318	320	322	324	326	327	329	329	329
45	310	299	291	286	283	282	282	284	286	290	293	296	299	302	305	306	308	308	309
50	274	263	255	251	249	249	252	255	259	264	268	272	274	274	274	274	275	275	275
55	237	226	219	216	215	217	221	226	232	237	238	238	239	239	240	240	240	241	241
60	199	188	183	181	182	186	192	198	199	201	202	203	204	205	206	206	206	207	207
65	162	151	147	148	151	157	161	162	163	165	167	169	170	171	172	172	172	173	173
70	125	115	113	115	122	124	125	127	129	131	133	135	136	137	138	138	138	139	138
75	88.3	80.5	81.0	86.2	88.0	90.5	92.4	94.1	96.1	97.9	99.7	101	102	103	104	104	105	105	104
80	54.3	49.1	53.1	54.9	57.1	59.4	61.6	63.1	64.8	66.2	67.4	68.5	69.4	69.9	70.3	70.6	70.7	70.6	70.4
85	23.1	22.5	25.8	28.2	30.0	31.4	32.8	33.7	34.5	35.2	35.8	36.2	36.6	36.8	36.9	36.9	36.8	36.6	36.4
90	5.49	5.32	5.32	5.28	5.23	5.16	5.05	4.91	4.78	4.61	4.42	4.20	3.99	3.76	3.50	3.21	2.88	2.63	2.40
95	3.50	4.56	13.5	20.2	23.6	25.8	27.5	29.1	30.3	31.3	32.2	32.9	33.5	34.1	34.6	34.9	35.2	35.5	35.7
100	27.5	25.9	33.5	40.6	44.6	48.1	51.3	54.0	56.5	58.5	60.2	61.9	63.3	64.5	65.7	66.7	67.5	68.3	69.0
105	60.6	55.9	59.0	65.9	69.8	73.5	77.6	80.7	83.9	86.6	89.0	91.3	93.4	95.2	97.1	98.5	99.8	101	102
110	92.5	86.3	86.4	90.8	97.9	103	106	110	113	116	119	121	124	126	129	131	132	134	136
115	126	119	117	119	124	132	138	141	144	147	150	152	155	158	161	163	165	167	169
120	161	153	149	150	153	159	166	174	176	179	182	185	187	190	193	196	198	200	202
125	195	187	182	181	183	187	192	199	205	213	215	217	220	223	225	228	231	233	235
130	230	221	216	214	214	216	220	224	230	236	243	250	254	256	258	261	264	266	269
135	263	255	249	246	245	245	247	251	255	260	266	271	277	282	287	291	295	299	302
140	295	287	281	277	275	275	276	278	281	285	289	293	298	302	306	310	313	316	319
145	326	319	313	308	306	304	304	305	307	309	312	316	319	322	325	328	332	334	337
150	355	348	343	338	335	333	332	332	333	334	336	338	339	342	344	347	350	352	354
155	382	375	370	366	363	360	359	358	358	358	358	359	360	362	364	366	368	370	371
160	405	400	395	392	388	385	383	382	381	380	380	381	381	382	383	385	386	388	389
165	423	419	416	412	410	407	405	404	403	402	401	401	402	402	403	403	404	405	406
170	439	436	434	431	429	427	426	425	424	423	422	421	421	421	422	422	423	423	424
175	451	450	448	447	446	445	444	443	442	442	441	441	441	441	441	440	440	441	441
180	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458

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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.91x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	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	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492
5	472	472	472	473	473	474	475	476	477	478	479	481	482	484	485	487	489	491	489
10	451	452	452	453	454	455	456	457	459	461	463	465	467	470	473	476	480	483	480
15	431	431	432	433	433	434	435	437	439	440	443	446	449	452	456	460	465	470	465
20	411	411	411	411	412	413	413	415	416	418	420	423	426	430	434	439	444	450	444
25	390	390	390	390	390	390	390	391	392	393	393	392	391	391	392	395	400	406	399
30	370	370	369	369	368	367	367	366	364	360	354	350	348	350	353	359	366	375	366
35	349	349	348	347	345	344	342	338	330	321	316	314	315	318	322	329	338	348	338
40	329	328	326	325	322	320	315	306	295	286	282	281	283	286	292	299	308	320	309
45	308	307	305	302	300	296	287	274	261	254	251	251	253	255	259	266	274	286	275
50	274	274	273	272	272	269	259	241	230	225	223	221	221	221	224	230	239	251	239
55	240	240	239	238	237	232	220	207	202	198	195	191	189	188	189	194	202	214	202
60	206	206	205	204	202	195	181	173	170	169	167	162	157	155	155	157	164	176	164
65	172	172	171	170	167	159	147	142	140	138	135	131	128	123	121	121	126	138	127
70	138	138	137	136	133	125	116	112	110	107	104	101	97.6	92.7	85.0	82.7	87.0	99.5	90.1
75	104	104	103	102	99.8	92.4	86.3	83.9	82.1	79.4	76.3	73.1	69.1	60.5	51.4	48.5	51.9	63.5	55.7
80	70.3	70.1	69.6	69.0	67.0	61.7	58.0	56.3	54.9	52.9	50.5	47.8	43.2	35.3	27.6	20.3	21.6	29.8	24.6
85	36.3	36.4	36.1	35.8	34.7	32.0	30.3	29.2	28.4	27.4	26.2	24.7	21.6	17.2	12.6	7.41	3.12	4.35	4.14
90	2.39	2.62	2.65	2.68	2.71	2.78	2.90	2.38	2.48	2.67	2.80	2.92	2.93	2.95	2.94	2.98	3.29	2.49	3.09
95	36.0	36.5	36.7	36.8	36.9	36.9	35.6	32.7	31.1	30.0	29.2	28.9	28.4	27.7	27.2	27.7	26.8	26.4	6.76
100	69.6	70.3	70.8	71.0	71.2	71.2	68.9	63.6	60.3	58.1	56.2	55.7	55.0	54.4	53.6	55.4	52.6	58.2	37.3
105	103	104	105	105	106	106	103	95.9	90.2	87.5	84.3	83.9	83.4	83.8	83.6	76.5	74.6	79.3	64.0
110	137	138	139	140	140	140	139	130	122	119	115	113	114	113	107	105	106	98.2	87.1
115	170	172	173	174	175	176	175	167	157	152	148	145	143	137	131	130	133	130	120
120	204	206	207	208	209	210	211	207	196	187	184	176	171	169	165	162	163	167	155
125	237	239	241	243	244	246	248	247	239	223	211	204	201	201	203	207	212	185	174
130	271	273	275	277	279	281	281	276	267	254	243	235	229	228	232	239	249	257	242
135	304	305	306	306	305	304	302	297	290	284	276	269	266	264	262	265	271	282	270
140	321	323	324	324	324	324	323	322	314	307	304	300	298	298	300	305	312	323	310
145	339	340	342	343	343	344	344	344	344	338	329	326	326	327	329	333	339	347	336
150	356	358	359	360	362	363	364	365	366	367	368	365	359	354	354	357	361	368	360
155	374	375	377	378	379	381	383	384	386	388	391	394	398	401	405	408	413	422	414
160	391	392	394	395	397	399	401	403	405	407	410	414	417	421	425	430	435	442	435
165	408	409	411	412	414	415	417	419	422	425	427	430	433	437	440	444	448	453	448
170	425	426	427	428	430	431	433	435	437	438	441	443	445	448	451	453	456	460	457
175	442	442	443	444	445	446	447	448	449	450	452	453	454	456	457	459	460	462	461
180	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	459	459

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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.91x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEC) γ (DEC)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492
5	487	486	484	483	481	480	479	478	477	476	475	474	474	473	473	473	473	473	474
10	477	473	471	468	466	464	462	460	458	457	457	456	455	454	454	453	453	454	454
15	461	457	453	450	447	444	442	441	439	438	437	436	435	435	434	434	434	435	434
20	438	434	430	427	424	422	420	419	417	416	416	415	415	415	415	414	415	415	415
25	393	388	386	386	388	391	393	394	394	394	394	394	394	395	395	395	395	395	395
30	358	351	346	342	342	344	350	359	366	370	372	373	374	374	375	376	376	376	376
35	330	323	318	314	311	308	309	316	328	341	348	351	352	354	355	356	356	357	356
40	300	293	288	285	283	282	281	281	288	303	320	329	331	334	335	337	337	337	337
45	267	261	257	255	255	255	255	256	257	266	286	305	310	313	315	317	318	318	317
50	231	226	224	224	225	227	230	232	233	236	250	271	280	280	281	282	282	283	284
55	195	191	190	192	195	199	203	207	207	205	211	230	244	245	246	247	247	248	249
60	158	156	157	160	165	172	174	175	176	175	177	191	207	210	211	212	212	213	214
65	123	123	126	131	135	138	142	144	145	146	146	155	171	175	176	177	177	178	179
70	88.1	90.6	96.0	100	103	107	110	113	115	116	116	122	136	140	141	142	142	143	144
75	56.1	61.3	66.4	70.9	74.6	77.9	81.2	84.1	85.9	87.1	87.6	90.4	101	106	107	107	107	108	110
80	28.4	35.3	40.8	45.1	48.5	51.2	53.8	56.0	57.5	58.4	58.9	60.4	67.5	71.3	71.9	72.2	72.3	73.5	74.9
85	10.4	16.3	20.0	22.7	24.6	26.0	27.5	28.7	29.5	30.0	30.4	31.0	34.6	36.9	37.2	37.3	37.3	38.6	40.1
90	2.74	2.53	2.34	2.16	1.97	1.78	1.92	1.84	1.82	1.84	1.99	1.99	2.00	2.42	2.48	2.41	2.30	3.69	5.35
95	12.2	16.3	18.7	22.4	21.2	22.1	23.8	26.5	27.0	27.7	30.7	32.6	31.8	33.4	33.4	33.2	32.9	33.9	35.0
100	30.3	33.5	38.4	44.6	39.6	43.8	46.5	52.2	52.2	54.0	60.0	63.1	61.7	64.5	64.2	64.0	63.6	64.0	64.7
105	56.1	57.1	64.8	65.4	60.2	66.7	71.2	78.8	77.4	81.5	90.4	93.5	91.8	95.6	95.1	94.7	94.2	94.2	94.4
110	83.5	87.4	92.3	81.2	87.4	91.3	99.6	106	103	111	122	123	122	127	126	125	125	124	124
115	116	113	108	109	115	120	132	131	132	143	156	153	154	158	157	156	155	155	154
120	149	140	134	143	147	157	162	157	164	177	188	182	186	189	188	187	186	185	184
125	169	176	180	179	183	189	186	188	200	216	218	212	219	220	219	218	217	215	214
130	230	221	215	215	217	213	213	222	237	252	246	245	252	251	250	248	247	246	244
135	261	256	254	249	243	242	247	256	271	274	269	275	281	280	280	279	278	276	274
140	299	289	282	276	274	276	281	294	300	295	295	301	302	301	300	299	298	296	294
145	326	318	312	309	308	313	323	326	321	320	323	324	323	322	321	320	318	316	314
150	353	348	347	351	355	357	352	347	346	347	347	346	344	343	341	340	338	337	335
155	407	402	396	390	384	379	376	374	373	371	369	366	365	363	361	360	358	357	355
160	428	422	416	411	407	403	400	397	394	391	389	387	385	383	381	380	378	377	376
165	443	438	434	430	426	423	419	416	413	411	409	406	405	403	401	400	399	398	397
170	453	450	447	444	441	438	436	433	431	429	427	425	423	422	421	420	419	418	417
175	459	457	455	454	452	450	449	447	446	445	443	442	441	441	440	439	439	439	438
180	459	459	459	459	459	459	459	459	459	459	459	459	459	459	459	459	459	459	459

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:0.1630A P:19.40W PF:0.9900 Lamp Flux:2452.91x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:4000K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEC) γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492				
5	474	474	475	475	476	476	477	478	479	480	482	483	485	486	488				
10	454	455	455	456	457	458	460	461	463	465	467	470	472	475	478				
15	435	435	436	436	438	439	440	442	444	446	449	452	456	460	464				
20	415	415	416	416	417	418	419	421	422	424	427	431	435	440	445				
25	395	395	395	396	395	396	396	397	399	401	403	407	411	416	422				
30	375	375	375	374	373	373	373	373	373	375	376	379	384	389	396				
35	356	355	354	352	351	349	348	347	346	347	348	350	354	359	366				
40	336	335	333	330	328	326	323	321	319	318	318	319	322	327	334				
45	317	314	312	309	305	302	298	294	291	289	287	288	290	293	300				
50	284	284	285	285	283	278	273	268	263	259	256	254	255	258	264				
55	249	249	249	249	248	249	248	243	236	230	225	221	220	222	227				
60	214	214	214	213	212	212	211	210	209	202	194	189	187	186	190				
65	179	179	178	178	177	176	174	173	172	171	167	159	154	151	154				
70	144	144	144	143	142	141	139	137	135	134	133	130	122	117	117				
75	110	110	109	109	108	106	105	103	101	99.8	98.0	96.0	93.9	86.4	83.3				
80	75.3	75.3	75.1	74.7	74.1	73.0	71.9	70.5	69.1	67.7	65.6	63.1	61.3	59.9	52.8				
85	40.8	41.0	41.1	41.0	40.7	40.2	39.6	39.0	38.3	37.4	36.1	34.5	32.8	30.6	27.8				
90	6.25	6.78	7.15	7.40	7.61	7.66	7.88	8.08	8.16	8.24	8.24	8.18	8.05	7.91	7.77				
95	35.3	35.3	35.0	34.5	33.8	32.9	32.0	30.9	29.6	27.8	25.7	23.1	18.5	10.2	3.91				
100	64.5	63.9	63.0	61.7	60.2	58.5	56.6	54.4	51.9	48.6	44.9	40.8	35.0	25.6	21.2				
105	93.7	92.7	91.2	89.4	87.2	84.7	82.1	79.0	75.7	71.6	67.4	62.9	58.0	52.8	52.1				
110	123	122	120	117	115	112	109	105	102	98.1	93.4	88.7	83.7	81.4	83.4				
115	153	151	149	146	143	140	137	134	130	127	122	116	112	112	116				
120	183	181	178	176	173	170	167	164	161	154	149	145	143	145	150				
125	212	210	208	206	203	200	198	192	186	181	178	175	175	178	185				
130	243	241	239	236	233	228	222	218	213	210	207	207	208	212	219				
135	271	268	265	260	256	252	248	244	241	239	238	238	241	245	253				
140	292	289	286	283	280	276	273	271	269	268	268	270	273	278	285				
145	312	310	307	306	303	301	299	298	297	297	298	301	304	310	317				
150	333	331	329	328	327	326	325	325	325	326	328	330	335	340	347				
155	354	353	352	350	350	350	350	351	352	354	356	359	363	368	374				
160	375	374	373	373	373	373	374	375	377	379	382	385	389	394	399				
165	396	396	395	395	396	396	397	398	400	402	404	407	411	415	419				
170	417	417	417	417	418	418	419	420	422	424	425	428	430	433	436				
175	438	438	438	438	439	439	440	441	442	443	444	445	447	448	450				
180	459	459	459	459	459	459	459	459	459	459	459	459	459	459	459				

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