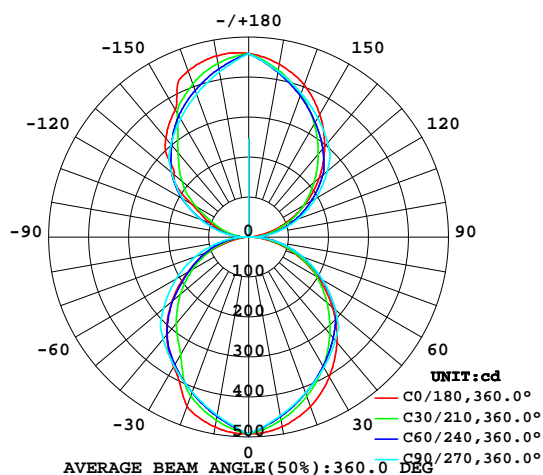


LUMINAIRE PHOTOMETRIC TEST REPORT

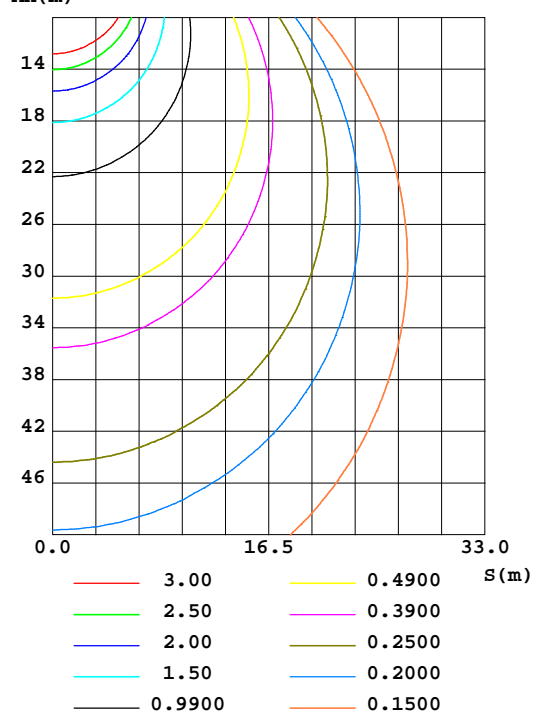
Test:U:120.2V I:0.1630A P:19.40W PF:0.9890 Lamp Flux:2452.91x1 lm					
NAME: 二代线条灯			TYPE:上下发光 白色外壳		WEIGHT:
DIM.: 2FT			SPEC.:3500K		SERIAL No.:YQ2107-7
MFR.: YQ			SUR.:0.171*1.13m		PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.44 lm/W			
MODEL		I _{max} (cd)	492.8	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)	2452.9	η UP,DN(C0-180)	24.3,26.3
NOMINAL FLUX(lm)	2452.91	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	23.6,25.9
LAMPS INSIDE	1	η up(%)	47.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.2	η down(%)	52.2	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



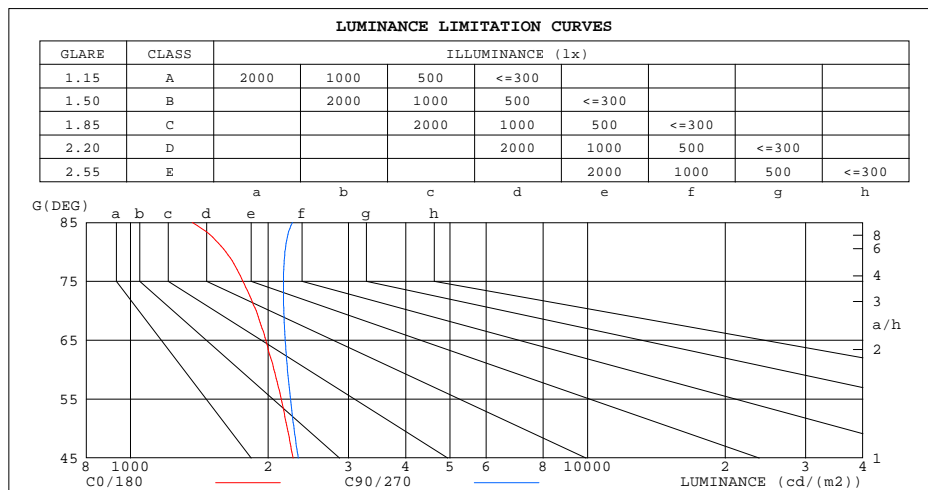
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26.3DEG
 Operators:Ethan
 Test Date:2021-08-16

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	ϕ lum, lamp
5	489.6	477.4	473.4	477.7	490.5	477.3	472.8	477.1	0- 5	11.56	11.56	0.47,0.47
10	481.2	459.8	453.9	460.5	482.2	459.7	452.8	459.2	5- 10	33.62	45.18	1.84,1.84
15	467.9	440.0	434.5	440.6	469.6	439.2	432.8	439.2	10- 15	53.70	98.88	4.03,4.03
20	451.4	418.2	415.1	418.7	450.5	417.0	412.9	417.3	15- 20	71.36	170.2	6.94,6.94
25	429.4	395.6	395.7	395.6	406.4	392.4	392.9	394.5	20- 25	85.98	256.2	10.4,10.4
30	403.8	371.7	376.3	368.5	375.8	357.6	372.9	370.7	25- 30	96.95	353.2	14.4,14.4
35	374.5	346.2	356.9	334.4	348.9	314.2	352.9	345.6	30- 35	105.0	458.1	18.7,18.7
40	343.5	320.9	337.5	299.1	319.6	279.4	332.9	320.4	35- 40	110.1	568.2	23.2,23.2
45	310.0	295.4	318.1	265.7	286.6	253.8	313.0	295.5	40- 45	112.2	680.4	27.7,27.7
50	273.6	269.8	283.1	235.6	251.0	228.9	278.4	270.6	45- 50	110.9	791.3	32.3,32.3
55	237.0	244.2	248.1	208.5	214.0	204.0	243.9	245.3	50- 55	105.3	896.6	36.6,36.6
60	198.9	206.6	213.1	175.8	176.2	171.9	209.4	208.0	55- 60	96.33	992.9	40.5,40.5
65	161.4	170.7	178.1	144.3	138.1	141.4	174.8	171.5	60- 65	84.78	1078	43.9,43.9
70	124.6	136.0	143.1	113.7	99.55	111.5	140.3	136.3	65- 70	71.15	1149	46.8,46.8
75	88.12	102.4	108.1	84.52	63.47	82.83	105.8	102.4	70- 75	56.06	1205	49.1,49.1
80	54.23	69.97	73.06	56.22	29.81	55.24	71.23	69.67	75- 80	40.28	1245	50.8,50.8
85	22.98	38.43	38.06	28.69	4.378	28.35	36.69	37.66	80- 85	24.52	1270	51.8,51.8
90	5.392	7.357	3.055	1.628	2.434	2.028	2.160	6.054	85- 90	9.533	1279	52.2,52.2
95	3.491	32.40	34.80	29.27	29.75	27.33	33.35	30.88	90- 95	8.765	1288	52.5,52.5
100	27.97	57.94	66.55	57.49	57.01	53.04	64.55	56.12	95-100	22.17	1310	53.4,53.4
105	60.96	84.48	98.29	86.73	78.92	78.87	95.74	82.33	100-105	36.32	1347	54.9,54.9
110	92.94	112.0	130.0	118.1	99.68	105.3	126.9	109.8	105-110	50.27	1397	56.9,56.9
115	126.4	141.0	161.8	152.6	127.5	133.9	158.1	138.7	110-115	63.62	1460	59.5,59.5
120	161.0	171.4	193.5	190.0	164.3	162.1	189.3	169.3	115-120	76.00	1536	62.6,62.6
125	195.8	203.3	225.3	232.1	218.3	191.6	220.5	201.2	120-125	87.35	1624	66.2,66.2
130	230.2	227.6	257.0	259.2	243.6	223.2	251.7	225.7	125-130	96.09	1720	70.1,70.1
135	263.5	252.2	288.8	281.0	289.7	257.5	282.9	250.6	130-135	101.5	1821	74.3,74.3
140	295.9	277.4	307.7	305.7	322.7	295.8	302.5	276.0	135-140	103.5	1925	78.5,78.5
145	326.8	303.1	326.6	336.9	347.0	329.1	322.1	301.4	140-145	101.8	2027	82.6,82.6
150	355.5	328.5	345.5	360.0	368.0	350.7	341.7	327.1	145-150	97.38	2124	86.6,86.6
155	382.1	353.4	364.4	381.1	421.9	376.1	361.3	352.0	150-155	90.43	2215	90.3,90.3
160	406.0	376.1	383.3	400.9	442.4	398.8	380.9	375.3	155-160	80.11	2295	93.5,93.5
165	424.3	399.3	402.2	418.6	453.6	417.3	400.5	398.3	160-165	66.32	2361	96.3,96.3
170	439.8	420.5	421.1	434.9	460.2	433.8	420.1	420.1	165-170	49.91	2411	98.3,98.3
175	451.6	440.8	440.0	448.0	462.3	447.7	439.7	440.9	170-175	31.28	2442	99.6,99.6
180	458.9	458.9	458.9	458.9	459.3	459.3	459.3	459.3	175-180	10.77	2453	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1365	2260
80	1616	2178
75	1762	2161
70	1885	2165
65	1977	2181
60	2060	2206
55	2138	2238
50	2203	2279
45	2270	2328

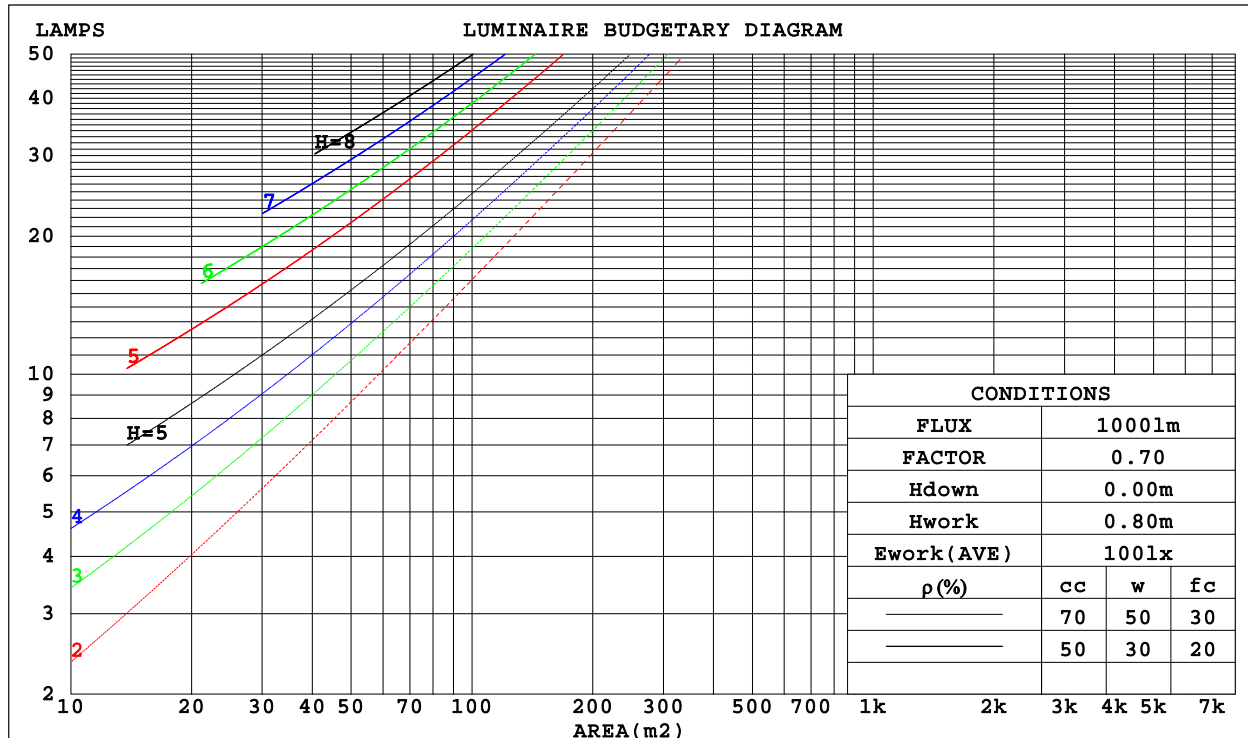
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-08-16

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.1630A P:19.40W PF:0.9890 Lamp Flux:2452.9lx1 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:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{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	.85	.85	.85	.71	.71	.71	.58	.58	.58	.52	
1.0	.93	.89	.86	.87	.83	.80	.74	.71	.69	.62	.60	.58	.51	.50	.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	.52	.47	.48	.44	.41	.39	.37	.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	.34	.30	.31	.28	.26	.22	
6.0	.50	.42	.36	.47	.40	.34	.40	.35	.30	.34	.30	.26	.29	.25	.22	.20	
7.0	.45	.37	.32	.42	.35	.30	.37	.31	.27	.31	.27	.23	.26	.23	.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

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

WEC AND CCEC

Test:U:120.2V I:0.1630A P:19.40W PF:0.9890 Lamp Flux:2452.91x1 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	.290	.165	.052	.268	.153	.049	.228	.131	.042	.191	.110	.035	.157	.091	.029	
2.0	.268	.147	.045	.248	.137	.042	.212	.118	.037	.178	.100	.031	.147	.083	.026	
3.0	.247	.131	.039	.229	.123	.037	.195	.106	.032	.164	.090	.028	.136	.075	.023	
4.0	.228	.118	.035	.211	.111	.033	.181	.096	.029	.152	.082	.025	.125	.068	.021	
5.0	.211	.107	.031	.196	.100	.029	.167	.087	.026	.141	.074	.022	.116	.062	.019	
6.0	.196	.098	.028	.182	.092	.026	.156	.080	.023	.131	.068	.020	.108	.057	.017	
7.0	.182	.090	.026	.169	.084	.024	.145	.073	.021	.123	.063	.018	.101	.053	.015	
8.0	.170	.083	.023	.159	.078	.022	.136	.068	.019	.115	.058	.017	.095	.049	.014	
9.0	.160	.077	.022	.149	.073	.020	.128	.063	.018	.108	.054	.016	.089	.045	.013	
10.0	.150	.072	.020	.140	.068	.019	.120	.059	.017	.102	.051	.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	.555	.555	.555	.474	.474	.474	.324	.324	.324	.186	.186	.186	.059	.059	.059	
1.0	.546	.524	.504	.468	.450	.433	.320	.309	.300	.184	.179	.174	.059	.058	.056	
2.0	.539	.502	.471	.462	.432	.407	.316	.299	.284	.182	.174	.166	.059	.056	.054	
3.0	.532	.486	.450	.456	.419	.390	.313	.291	.273	.181	.170	.161	.058	.055	.053	
4.0	.525	.474	.435	.451	.410	.378	.310	.286	.266	.179	.167	.158	.058	.054	.052	
5.0	.519	.465	.425	.445	.402	.370	.307	.281	.261	.178	.165	.155	.057	.054	.051	
6.0	.512	.457	.418	.440	.396	.364	.304	.277	.257	.176	.163	.153	.057	.053	.051	
7.0	.506	.451	.412	.435	.391	.359	.301	.274	.255	.175	.162	.152	.056	.053	.050	
8.0	.500	.446	.408	.431	.387	.356	.298	.272	.253	.173	.160	.151	.056	.053	.050	
9.0	.495	.441	.405	.426	.383	.354	.295	.269	.251	.172	.159	.150	.056	.052	.050	
10.0	.490	.438	.403	.422	.380	.351	.293	.267	.250	.171	.158	.149	.055	.052	.049	

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:0.9890 Lamp Flux:2452.9lx1 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	12.2	13.1	13.0	14.0	15.0	12.8	13.8	13.7	14.6	15.7	
	3H	13.5	14.4	14.4	15.3	16.4	14.5	15.3	15.3	16.2	17.3
	4H	14.1	14.9	15.0	15.8	16.9	15.2	16.0	16.1	16.9	18.0
	6H	14.5	15.2	15.4	16.1	17.3	15.8	16.6	16.7	17.5	18.6
	8H	14.6	15.3	15.5	16.2	17.4	16.0	16.8	16.9	17.7	18.8
	12H	14.7	15.3	15.6	16.3	17.4	16.2	16.9	17.1	17.8	19.0
4H	2H	12.8	13.6	13.6	14.5	15.6	13.3	14.1	14.1	15.0	16.1
	3H	14.3	15.0	15.2	15.9	17.1	15.1	15.8	16.0	16.7	17.9
	4H	15.0	15.6	15.9	16.6	17.8	16.0	16.6	16.9	17.5	18.7
	6H	15.5	16.1	16.5	17.0	18.2	16.7	17.3	17.7	18.2	19.4
	8H	15.7	16.2	16.7	17.2	18.4	17.0	17.5	18.0	18.5	19.7
	12H	15.8	16.2	16.8	17.2	18.5	17.3	17.7	18.3	18.7	20.0
8H	4H	15.3	15.8	16.3	16.8	18.0	16.2	16.7	17.1	17.6	18.8
	6H	16.0	16.4	17.0	17.4	18.7	17.1	17.5	18.1	18.5	19.8
	8H	16.3	16.7	17.3	17.7	18.9	17.5	17.9	18.5	18.9	20.2
	12H	16.5	16.8	17.5	17.8	19.1	17.9	18.2	18.9	19.2	20.5
12H	4H	15.3	15.8	16.3	16.8	18.0	16.1	16.6	17.1	17.6	18.8
	6H	16.1	16.5	17.1	17.5	18.8	17.1	17.5	18.1	18.5	19.8
	8H	16.5	16.8	17.5	17.8	19.1	17.6	17.9	18.6	18.9	20.2
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		+ 0.1 / - 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

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:0.1630A P:19.40W PF:0.9890 Lamp Flux:2452.91x1 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:

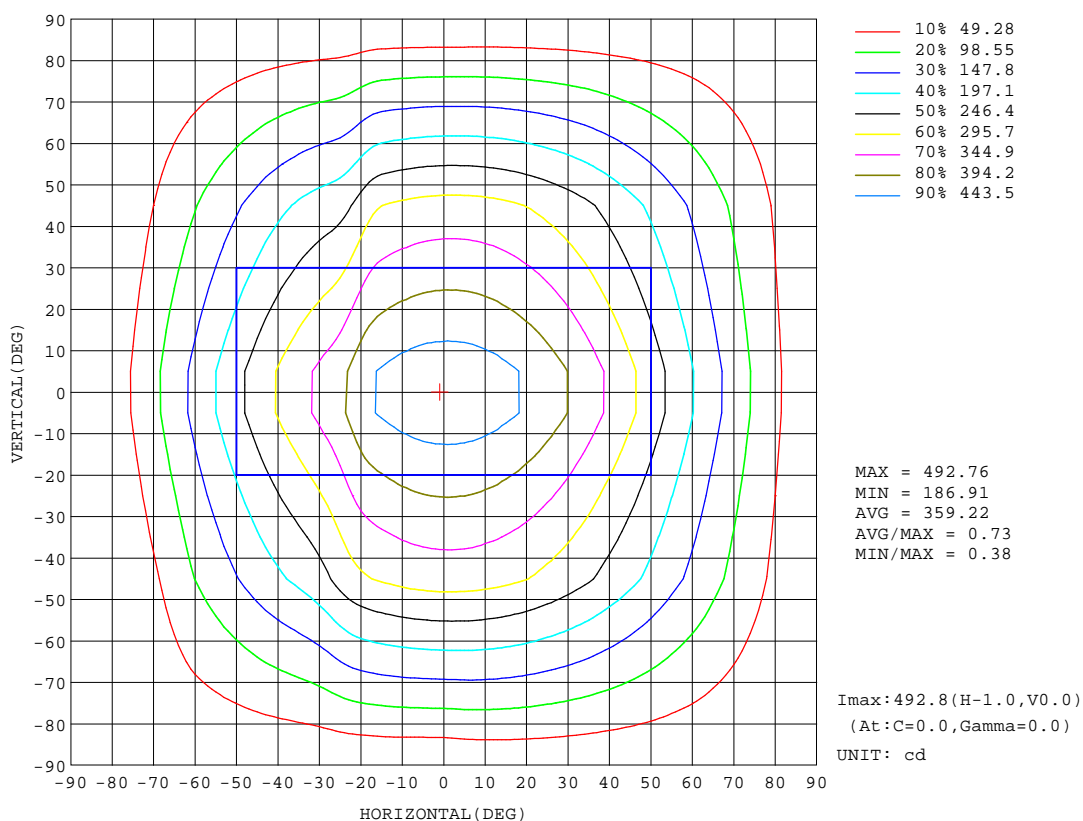
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	33	27	42	32	26	38	29	24	17
0.80	54	42	35	51	40	34	45	37	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	63	58	38
3.00	89	81	75	82	76	70	71	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:0.9890 Lamp Flux:2452.9lx1 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:



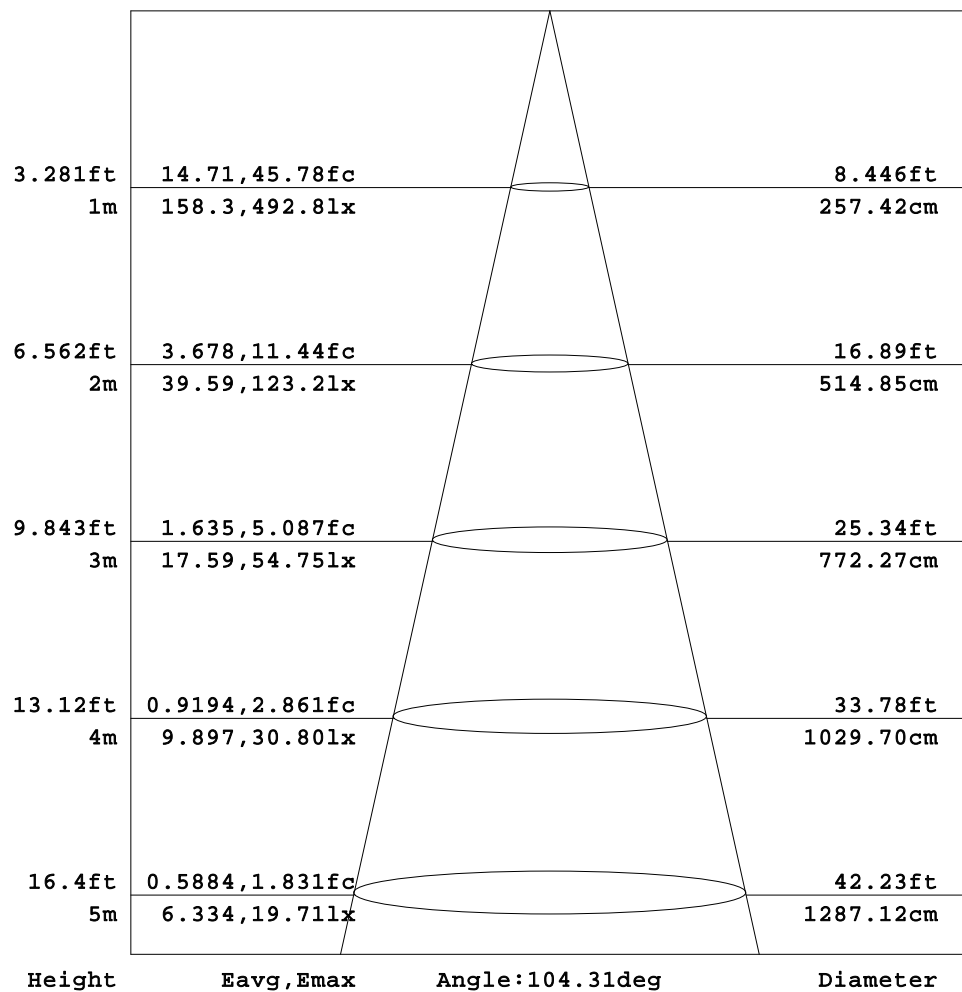
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-08-16

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 1:1

AAI Figure

Test:U:120.2V I:0.1630A P:19.40W PF:0.9890 Lamp Flux:2452.9lx1 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:844.9 lm



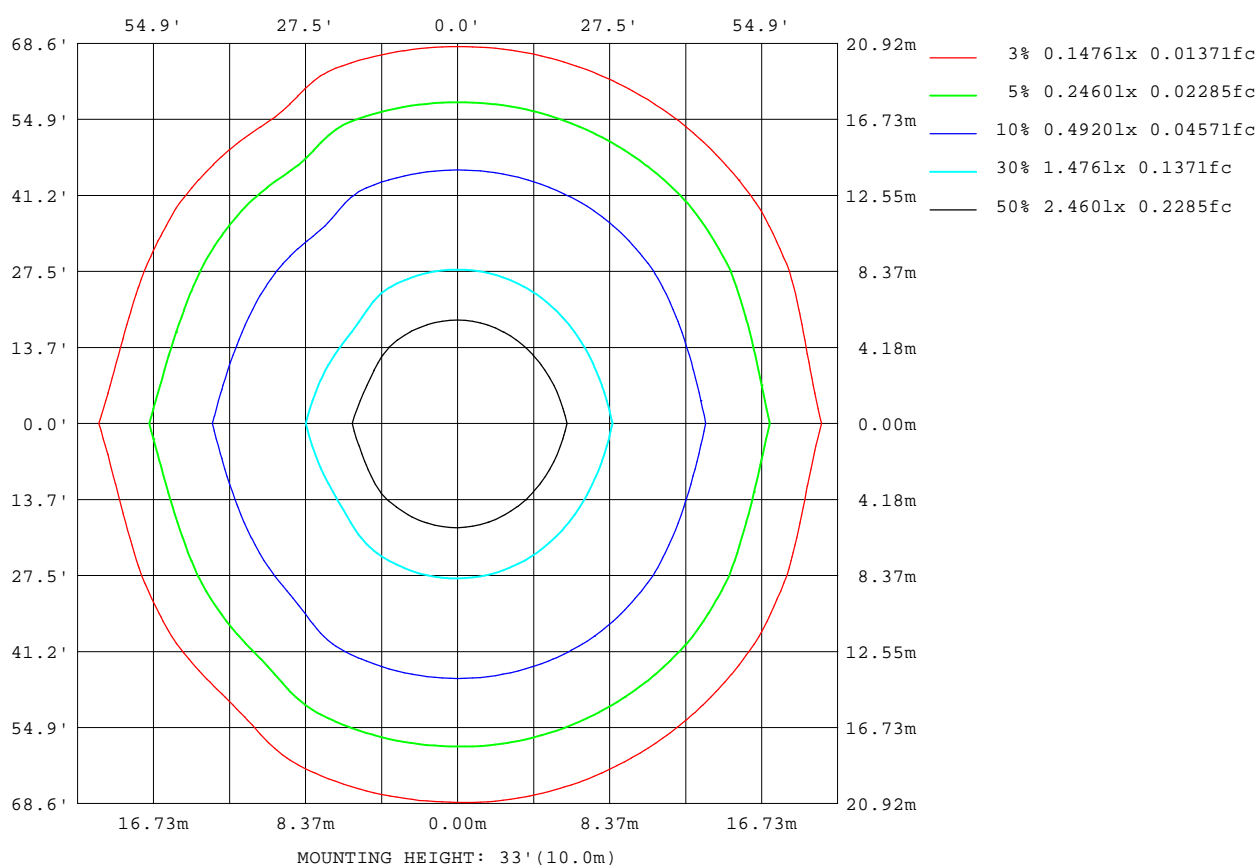
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

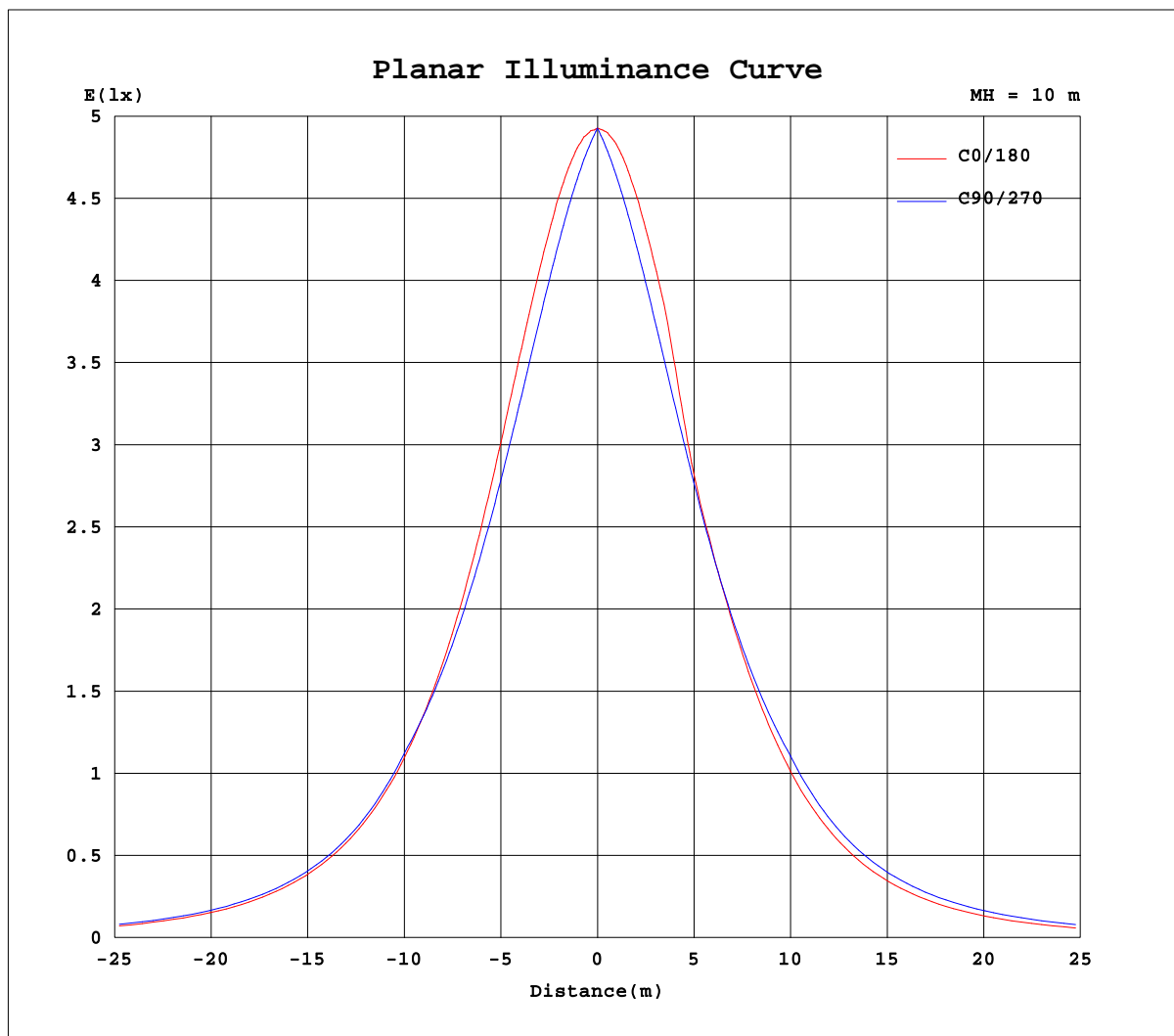
Test:U:120.2V I:0.1630A P:19.40W PF:0.9890 Lamp Flux:2452.9lx1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



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 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

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:0.9890 Lamp Flux:2452.91x1 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	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493
5	490	488	486	485	483	482	481	480	479	477	476	475	475	474	474	473	473	473	473
10	481	478	475	472	470	467	465	463	461	460	459	457	456	456	455	454	454	454	454
15	468	463	459	455	452	448	446	444	442	440	438	437	437	436	435	435	434	434	435
20	451	445	440	435	431	427	424	422	420	418	417	417	416	416	415	415	415	415	415
25	429	422	416	411	406	403	400	398	397	396	395	394	395	395	395	395	396	396	396
30	404	396	389	383	379	376	373	372	372	372	372	372	373	374	374	375	376	376	376
35	375	366	358	353	349	346	345	345	345	346	348	350	351	352	354	355	356	357	357
40	344	334	326	321	318	316	316	317	319	321	323	326	329	331	333	335	337	337	337
45	310	300	292	288	285	285	286	288	292	295	299	303	307	310	313	315	317	318	318
50	274	263	257	253	252	253	256	260	265	270	275	280	282	283	283	283	284	283	283
55	237	226	220	217	218	221	226	232	238	244	245	246	246	248	248	249	249	249	248
60	199	189	184	183	185	190	197	204	206	207	209	210	211	213	214	214	214	214	213
65	161	152	148	150	154	160	165	167	169	171	173	175	176	178	179	179	179	179	178
70	125	116	114	117	125	128	129	131	133	136	138	140	142	143	145	145	145	145	143
75	88.1	81.0	82.1	88.2	90.2	92.9	95.1	97.3	100	102	104	107	108	109	111	111	111	110	108
80	54.2	49.6	54.3	56.2	58.5	61.1	63.7	65.7	68.0	70.0	71.8	73.4	74.7	75.8	76.5	76.8	76.5	75.4	73.1
85	23.0	22.9	26.4	28.8	30.7	32.4	34.3	35.7	37.1	38.4	39.6	40.7	41.6	42.3	42.7	42.7	42.2	40.7	38.1
90	5.39	5.35	5.42	5.43	5.44	5.58	5.96	6.44	6.89	7.36	7.81	8.19	8.56	8.83	8.89	8.63	7.86	6.10	3.06
95	3.49	4.24	12.5	19.3	22.8	25.1	27.1	29.2	30.8	32.4	33.8	35.1	36.2	37.2	37.9	38.3	38.2	37.1	34.8
100	28.0	25.1	31.3	38.5	42.7	46.2	49.6	52.8	55.5	57.9	60.2	62.2	64.1	65.7	67.1	68.0	68.6	68.1	66.5
105	61.0	55.0	57.1	62.8	66.6	70.3	74.4	77.9	81.2	84.5	87.3	89.8	92.4	94.5	96.4	97.8	99.0	99.2	98.3
110	92.9	85.7	84.7	87.8	93.6	97.8	102	105	109	112	115	118	121	124	126	128	129	130	130
115	126	118	115	116	120	127	131	134	138	141	144	147	150	153	156	158	160	161	162
120	161	152	147	147	149	153	159	166	169	171	174	177	180	183	186	189	191	193	194
125	196	186	181	179	179	182	186	191	197	203	206	208	211	214	217	219	222	224	225
130	230	221	214	211	210	211	214	218	222	228	233	239	243	245	248	250	253	255	257
135	263	254	248	243	241	241	242	245	248	252	257	262	266	271	275	279	283	286	289
140	296	287	280	275	272	271	271	272	275	277	281	285	288	292	296	299	302	305	308
145	327	318	311	306	303	301	300	300	301	303	305	308	311	313	316	319	322	325	327
150	356	348	341	336	333	330	328	328	328	329	330	331	332	335	337	339	341	344	345
155	382	375	370	365	361	358	356	355	354	353	353	353	355	356	357	359	361	363	364
160	406	400	395	391	387	384	381	379	378	376	376	376	377	377	378	379	381	382	383
165	424	420	416	412	408	406	403	402	400	399	399	398	398	398	399	399	400	401	402
170	440	437	434	431	429	426	424	423	421	421	420	419	419	419	419	420	420	420	421
175	452	450	448	447	446	444	443	442	441	441	440	440	440	439	439	439	439	440	440
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:0.9890 Lamp Flux:2452.91x1 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	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493
5	473	473	473	474	474	475	476	477	478	479	480	481	483	484	486	487	489	491	489
10	454	454	455	455	456	457	458	459	461	462	464	466	468	471	473	476	479	482	479
15	434	435	435	436	436	437	438	439	441	443	445	447	450	453	456	460	465	470	465
20	415	415	415	415	416	416	417	417	419	420	422	425	428	432	435	439	445	451	444
25	396	395	395	395	395	395	394	395	396	396	396	395	393	393	393	396	400	406	398
30	376	376	375	374	373	372	372	371	368	363	357	353	350	351	355	360	367	376	366
35	356	356	355	353	351	350	348	343	334	325	319	317	317	320	325	331	339	349	339
40	337	336	334	332	330	327	322	311	299	290	286	285	286	289	294	300	309	320	309
45	318	316	314	311	308	304	294	279	266	259	256	255	256	258	261	267	275	287	275
50	283	282	282	281	280	277	265	247	236	231	228	226	225	225	226	232	239	251	239
55	248	247	246	246	244	238	224	213	208	204	200	196	192	191	191	195	202	214	202
60	213	212	211	210	208	200	186	178	176	175	173	167	161	158	157	159	165	176	164
65	178	177	176	175	172	163	151	146	144	142	139	136	132	127	123	122	127	138	127
70	143	142	142	140	137	127	119	116	114	111	108	105	101	96.7	87.9	84.6	87.9	99.5	89.8
75	108	107	107	106	103	94.3	88.6	86.3	84.5	81.7	78.5	75.3	71.6	63.5	54.1	50.0	52.5	63.5	55.4
80	72.5	72.7	72.5	71.4	68.8	62.9	59.3	57.6	56.2	54.1	51.7	48.9	44.6	36.9	28.9	21.5	22.0	29.8	24.4
85	37.5	38.0	38.0	37.2	35.6	32.5	30.6	29.5	28.7	27.5	26.3	24.7	21.8	17.3	12.8	7.59	3.15	4.38	4.07
90	2.55	3.31	3.63	3.01	2.86	2.58	2.19	1.61	1.63	1.70	1.79	1.84	1.80	1.88	2.11	2.40	2.92	2.43	3.16
95	34.7	35.6	36.1	35.7	35.6	35.3	34.0	31.1	29.3	28.0	27.3	26.9	26.5	25.8	25.8	26.8	25.8	29.7	8.30
100	66.9	67.9	68.6	68.4	68.4	68.2	66.3	61.2	57.5	55.0	53.4	52.6	52.3	51.6	51.4	53.9	52.0	57.0	38.0
105	99.0	100	101	101	101	101	99.4	92.6	86.7	83.1	80.5	79.8	79.7	80.2	79.8	74.5	73.9	78.9	63.8
110	131	132	134	134	134	135	133	126	118	113	110	108	109	108	104	102	103	99.7	89.0
115	163	165	166	167	167	168	168	162	153	146	142	139	138	133	128	127	131	128	119
120	195	197	199	200	201	202	202	200	190	181	176	169	166	165	163	161	163	164	153
125	227	229	231	233	234	235	237	238	232	217	205	197	195	197	200	205	213	218	203
130	259	262	263	265	267	269	270	265	259	249	238	231	224	223	229	237	247	244	230
135	291	293	293	293	293	293	292	287	281	277	270	264	262	261	260	262	269	290	278
140	310	312	313	313	314	314	314	313	306	299	298	295	294	295	297	303	311	323	310
145	329	330	332	333	334	335	335	336	337	331	323	320	321	323	326	330	337	347	336
150	347	349	351	352	354	355	356	358	360	362	363	360	355	351	351	354	359	368	360
155	366	368	370	371	373	375	377	379	381	384	387	390	395	399	403	407	412	422	414
160	385	387	388	390	392	394	396	399	401	404	407	410	414	419	424	429	435	442	435
165	404	405	406	408	410	412	414	416	419	421	425	428	431	435	439	443	448	454	448
170	422	423	424	426	427	429	430	432	435	437	439	442	444	447	450	453	456	460	457
175	441	442	442	443	443	444	446	447	448	449	451	452	454	455	457	458	460	462	461
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:0.9890 Lamp Flux:2452.91x1 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	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493
5	487	485	484	482	481	479	478	477	476	476	475	474	473	473	473	473	473	473	473
10	476	473	470	468	465	463	461	460	458	457	456	455	454	453	453	453	453	452	453
15	460	456	452	449	446	443	441	439	437	436	435	435	434	433	433	433	433	433	433
20	438	434	430	426	423	421	419	417	416	415	414	414	413	413	413	413	413	413	413
25	392	388	386	386	387	390	392	392	392	392	392	392	392	392	392	393	393	393	393
30	358	351	345	342	341	343	349	358	365	368	369	370	370	371	372	372	373	373	373
35	330	323	317	313	310	307	308	314	326	339	346	348	349	350	352	352	353	353	353
40	300	293	288	284	282	280	279	279	286	301	318	325	328	329	331	332	333	333	333
45	266	260	256	254	253	253	254	255	264	284	301	306	308	311	312	312	313	313	313
50	231	225	223	223	223	225	227	229	230	233	248	268	276	276	277	278	278	279	280
55	194	190	189	190	193	197	201	204	203	202	208	228	240	242	243	243	244	244	245
60	158	155	156	158	163	169	171	172	173	173	175	189	205	207	208	209	209	210	210
65	122	121	124	129	133	136	139	141	143	144	144	154	169	173	174	174	175	175	176
70	87.5	89.4	94.5	98.4	102	105	108	111	113	114	115	121	134	138	139	140	140	141	141
75	55.4	60.2	65.2	69.6	73.3	76.6	79.9	82.8	84.5	85.8	86.3	89.4	100	104	105	106	106	106	107
80	27.6	34.6	40.2	44.5	47.8	50.5	53.0	55.2	56.6	57.6	58.1	59.8	66.8	70.0	70.6	71.1	71.2	71.6	72.2
85	10.1	16.0	19.8	22.5	24.4	25.9	27.2	28.3	29.1	29.7	30.0	30.7	34.2	36.0	36.4	36.7	36.7	37.1	37.7
90	2.83	2.65	2.51	2.38	2.25	2.01	2.09	2.03	1.85	1.87	1.99	2.05	2.01	2.08	2.27	2.30	2.16	2.54	3.30
95	13.6	16.6	19.3	22.8	21.5	22.1	24.6	27.3	27.6	28.1	31.0	33.3	32.5	33.7	33.8	33.6	33.4	33.4	33.7
100	30.7	34.2	39.4	44.7	41.4	42.8	48.7	53.0	53.6	54.7	60.5	64.5	63.1	65.4	65.2	65.0	64.5	64.2	64.1
105	56.4	58.7	66.0	64.2	63.5	65.5	75.2	78.9	79.9	82.3	91.3	95.6	93.9	97.2	96.7	96.3	95.7	95.1	94.6
110	85.5	88.1	90.6	84.8	86.2	93.1	104	105	106	112	124	126	125	129	128	128	127	126	125
115	115	112	111	112	114	127	134	134	134	144	158	157	157	161	160	159	158	157	156
120	148	147	144	143	151	162	161	162	165	179	192	187	190	193	191	190	189	188	186
125	191	182	177	180	188	189	191	192	202	218	223	217	223	224	223	222	221	219	217
130	219	215	218	221	218	217	216	223	239	256	252	250	257	256	254	253	252	250	248
135	269	262	255	250	246	244	248	257	274	280	275	280	286	285	285	284	283	281	278
140	300	291	284	278	275	277	283	296	304	300	300	305	306	305	305	304	302	301	298
145	326	318	312	309	309	315	325	329	325	324	327	328	327	326	325	323	322	320	318
150	353	348	348	352	357	359	355	351	349	350	350	349	347	346	344	343	342	340	338
155	408	403	397	391	386	381	378	376	375	373	371	369	367	366	364	363	361	360	358
160	429	423	417	412	408	405	402	399	396	393	391	389	387	385	384	382	381	380	378
165	444	439	435	431	427	423	420	417	414	412	410	408	406	404	403	402	401	399	399
170	453	450	447	444	441	438	436	434	432	430	428	426	424	423	422	421	420	419	419
175	459	457	455	454	452	451	449	448	446	445	444	443	442	441	441	440	440	439	439
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:0.9890 Lamp Flux:2452.91x1 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(DEC) γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493				
5	473	473	474	474	475	476	477	478	480	481	482	483	485	486	488				
10	453	454	455	455	457	458	459	461	463	465	467	469	472	475	478				
15	433	434	435	435	436	438	439	441	443	445	448	451	455	459	463				
20	413	414	414	414	415	416	417	419	421	424	427	430	435	440	445				
25	393	393	393	393	393	394	394	396	398	400	403	406	410	416	422				
30	373	372	372	371	371	370	371	371	372	373	375	379	383	389	396				
35	352	352	350	349	348	347	346	345	345	345	347	349	353	358	366				
40	332	331	329	327	325	323	320	319	317	316	316	318	322	327	334				
45	312	310	308	305	302	299	296	292	289	287	286	286	288	293	300				
50	280	280	280	281	280	275	271	266	261	257	254	253	254	257	264				
55	245	245	245	245	245	245	245	240	233	228	223	220	219	221	227				
60	210	210	210	210	209	209	208	207	206	199	193	188	185	186	190				
65	176	176	175	174	174	173	171	170	169	168	164	157	152	150	153				
70	141	141	141	140	139	138	136	135	133	132	131	129	121	116	117				
75	107	107	106	106	105	104	102	101	99.3	98.0	96.1	94.1	92.6	85.6	83.0				
80	72.5	72.5	72.3	72.1	71.6	70.7	69.7	68.6	67.2	66.0	64.2	62.0	60.3	59.2	52.4				
85	38.2	38.4	38.5	38.6	38.4	38.0	37.7	37.2	36.6	36.0	34.8	33.5	32.0	30.0	27.3				
90	3.88	4.33	4.74	5.12	5.47	5.65	6.05	6.38	6.69	6.97	7.17	7.32	7.40	7.46	7.51				
95	33.8	33.6	33.4	32.9	32.4	31.6	30.9	29.9	28.8	27.2	25.3	22.8	18.5	10.3	3.81				
100	63.7	63.0	62.1	60.9	59.6	57.9	56.1	54.1	51.7	48.6	45.1	41.1	35.5	26.4	21.5				
105	93.7	92.5	91.0	89.3	87.3	85.0	82.3	79.5	76.2	72.3	68.1	63.8	59.0	53.5	52.4				
110	124	122	120	118	116	113	110	107	103	99.4	94.9	90.2	84.7	82.0	83.7				
115	154	152	150	148	145	142	139	135	132	129	124	117	113	113	116				
120	185	183	180	178	175	172	169	166	163	156	151	147	144	145	150				
125	216	213	211	209	206	204	201	195	189	184	179	177	177	179	185				
130	247	245	242	241	237	231	226	220	216	212	209	208	209	213	219				
135	276	272	268	264	259	255	251	246	243	241	239	240	242	246	253				
140	296	293	289	286	283	279	276	273	271	270	270	271	274	279	286				
145	316	313	311	308	306	304	301	300	299	299	300	302	305	310	317				
150	336	334	332	331	329	328	327	326	326	327	329	331	335	340	347				
155	357	355	354	353	352	352	352	352	353	355	357	360	364	368	374				
160	377	376	376	375	375	375	375	376	378	380	383	386	390	394	399				
165	398	397	397	397	397	397	398	399	401	403	405	408	411	415	419				
170	418	418	418	418	418	419	420	421	423	424	426	428	431	433	436				
175	439	439	439	439	440	440	441	442	443	443	444	446	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