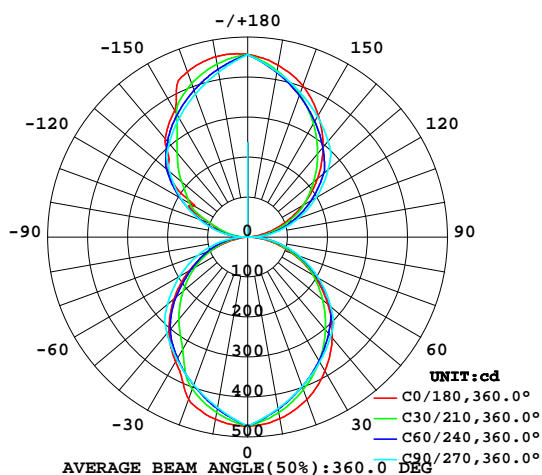


LUMINAIRE PHOTOMETRIC TEST REPORT

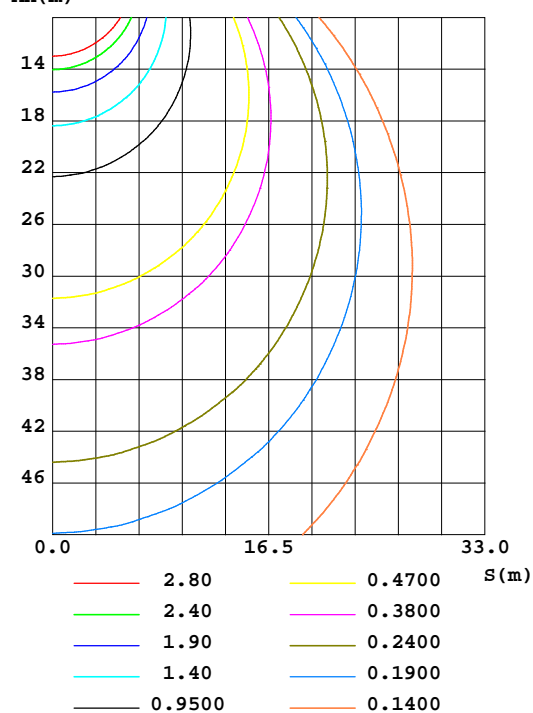
Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 lm					
NAME: 二代线条灯			TYPE:上下发光 白色外壳		WEIGHT:
DIM.: 2FT			SPEC.:3500K		SERIAL No.:YQ2107-7
MFR.: YQ			SUR.:0.171*1.13m		PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.77 lm/W			
MODEL		I _{max} (cd)	472.9	S/MH(C0/180)	1.22
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2402.3	η UP,DN(C0-180)	25.0,25.6
NOMINAL FLUX(lm)	2402.29	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.3,25.1
LAMPS INSIDE	1	η up(%)	49.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.2	η down(%)	50.7	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



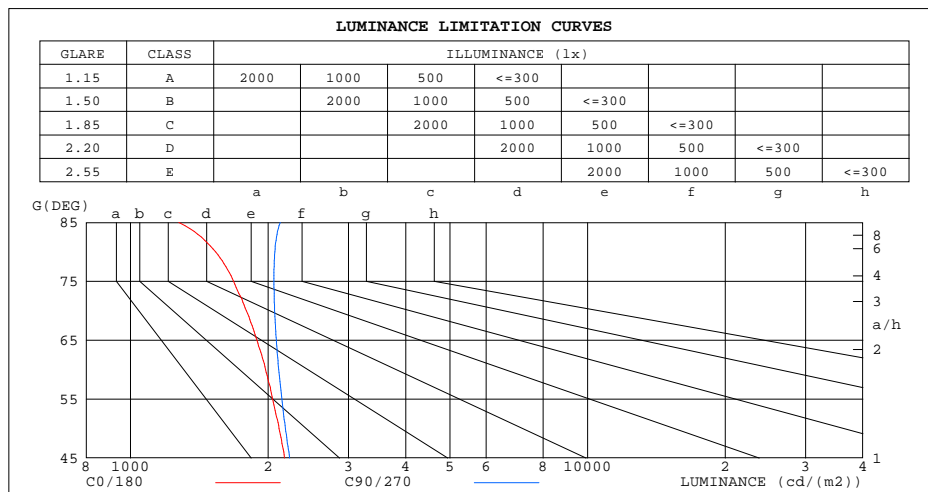
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-08-16

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 3:7

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	469.4	457.5	454.2	458.4	470.2	457.6	453.1	456.7	0- 5	11.09	11.09	0.46,0.46
10	461.5	440.7	435.5	441.7	463.0	440.0	433.2	439.3	5- 10	32.22	43.30	1.8,1.8
15	448.7	421.7	416.8	422.5	450.4	419.9	413.4	419.8	10- 15	51.42	94.73	3.94,3.94
20	432.7	400.7	398.2	401.7	432.0	398.3	393.5	398.1	15- 20	68.29	163.0	6.79,6.79
25	411.8	378.7	379.5	379.0	390.1	374.2	373.7	375.7	20- 25	82.24	245.3	10.2,10.2
30	386.6	356.2	360.8	353.3	360.4	341.6	353.8	352.8	25- 30	92.69	338.0	14.1,14.1
35	359.3	332.0	342.1	320.4	335.1	299.4	334.0	328.6	30- 35	100.3	438.3	18.2,18.2
40	329.6	307.5	323.4	286.5	306.6	264.7	314.2	303.7	35- 40	105.1	543.4	22.6,22.6
45	297.0	283.2	304.7	254.5	274.5	239.3	294.3	279.4	40- 45	107.0	650.4	27.1,27.1
50	262.6	258.9	271.1	225.9	240.3	215.0	261.8	255.4	45- 50	105.6	756.0	31.5,31.5
55	226.8	234.1	237.5	200.0	205.3	190.8	229.4	231.0	50- 55	100.2	856.1	35.6,35.6
60	190.8	197.8	203.9	168.6	168.8	161.1	196.9	195.4	55- 60	91.57	947.7	39.4,39.4
65	154.5	162.8	170.3	138.4	132.4	132.5	164.4	160.9	60- 65	80.48	1028	42.8,42.8
70	118.5	128.9	136.7	109.0	95.50	104.4	131.9	127.7	65- 70	67.42	1096	45.6,45.6
75	84.09	96.53	103.0	80.99	60.93	77.66	99.44	95.73	70- 75	53.00	1149	47.8,47.8
80	51.52	65.09	69.42	53.92	28.62	51.75	66.96	64.51	75- 80	37.94	1187	49.4,49.4
85	21.49	34.53	35.81	27.62	4.238	26.60	34.48	34.16	80- 85	22.91	1209	50.3,50.3
90	4.635	4.331	2.194	1.724	2.257	1.963	2.003	4.166	85- 90	8.619	1218	50.7,50.7
95	2.793	30.38	34.77	30.12	33.21	27.53	33.67	29.57	90- 95	8.452	1226	51.1,51.1
100	26.88	56.95	67.35	58.99	60.99	53.14	65.33	55.44	95-100	22.26	1249	52.52
105	59.70	84.41	99.92	88.70	79.54	78.61	97.00	82.22	100-105	36.74	1285	53.5,53.5
110	91.44	113.0	132.5	120.4	98.54	105.1	128.7	110.4	105-110	50.97	1336	55.6,55.6
115	124.8	143.1	165.1	155.4	145.0	133.7	160.3	139.9	110-115	65.03	1401	58.3,58.3
120	159.1	174.8	197.7	193.6	154.1	162.8	192.0	171.2	115-120	77.84	1479	61.6,61.6
125	193.9	207.8	230.2	236.1	220.0	192.8	223.7	203.7	120-125	88.91	1568	65.3,65.3
130	228.2	231.8	262.8	263.6	259.6	222.9	255.3	228.0	125-130	97.73	1666	69.3,69.3
135	261.3	255.8	295.4	285.7	279.4	256.8	287.0	252.5	130-135	102.8	1769	73.6,73.6
140	293.5	280.7	313.3	309.4	320.6	295.9	305.9	277.4	135-140	104.3	1873	78.78
145	324.2	305.4	331.2	339.8	344.6	333.5	324.8	302.6	140-145	102.5	1976	82.2,82.2
150	352.9	330.3	349.0	361.8	365.9	357.3	343.7	327.8	145-150	97.85	2073	86.3,86.3
155	379.7	354.2	366.9	382.4	419.5	380.0	362.6	352.0	150-155	90.70	2164	90.1,90.1
160	403.2	376.7	384.8	401.6	440.0	399.2	381.5	375.0	155-160	80.20	2244	93.4,93.4
165	421.7	398.9	402.7	418.6	451.3	416.9	400.3	397.2	160-165	66.26	2311	96.2,96.2
170	436.9	420.2	420.6	433.5	458.1	432.3	419.2	418.8	165-170	49.80	2360	98.3,98.3
175	449.1	439.0	438.5	446.4	459.8	445.8	438.1	438.7	170-175	31.16	2392	99.6,99.6
180	456.4	456.4	456.4	456.4	457.0	457.0	457.0	457.0	175-180	10.72	2402	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	1276	2127
80	1536	2069
75	1682	2061
70	1793	2068
65	1892	2085
60	1975	2111
55	2047	2143
50	2114	2183
45	2174	2231

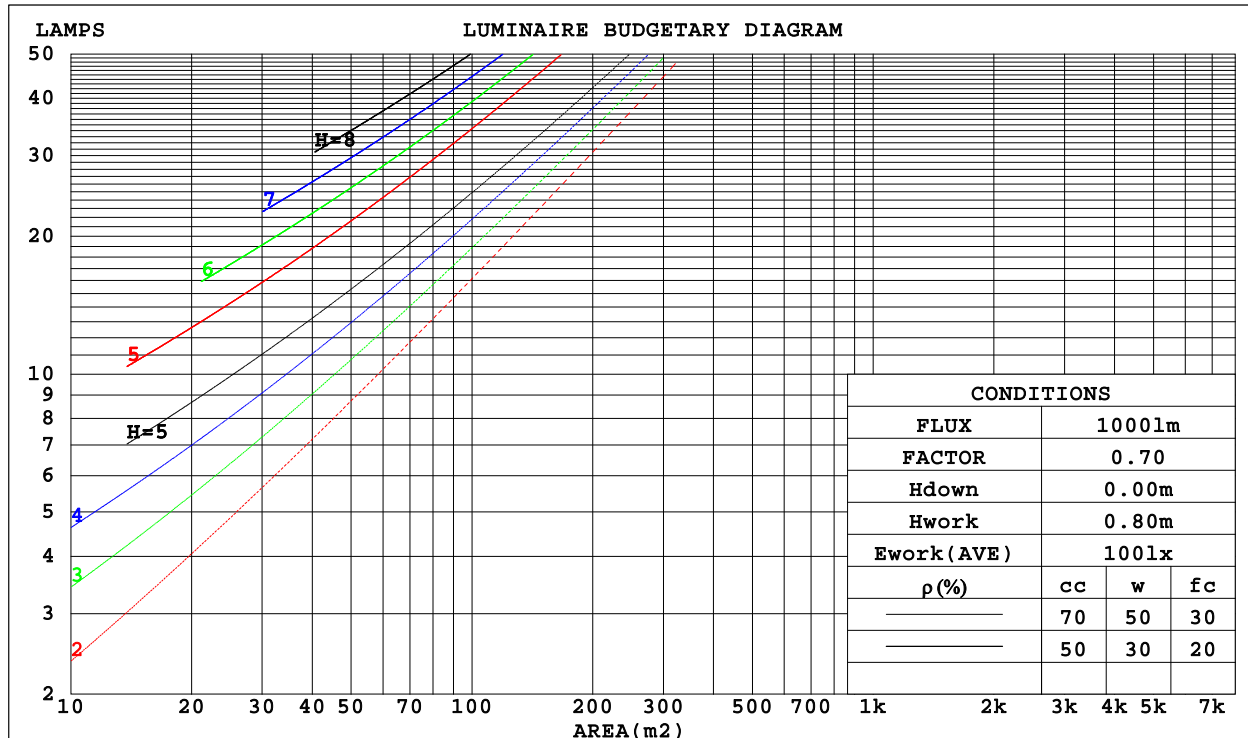
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-08-16

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.93	.89	.86	.86	.83	.80	.73	.70	.68	.61	.59	.57	.50	.48	.47	.42
2.0	.81	.75	.70	.75	.70	.65	.64	.60	.56	.53	.50	.48	.44	.41	.40	.35
3.0	.71	.64	.58	.66	.59	.54	.56	.51	.47	.47	.43	.40	.38	.36	.34	.29
4.0	.63	.55	.49	.58	.51	.46	.50	.44	.40	.42	.38	.34	.34	.31	.29	.25
5.0	.56	.48	.42	.52	.45	.39	.44	.39	.34	.37	.33	.30	.31	.28	.25	.22
6.0	.50	.42	.36	.47	.39	.34	.40	.34	.30	.34	.29	.26	.28	.25	.22	.19
7.0	.45	.37	.32	.42	.35	.30	.36	.31	.26	.31	.26	.23	.25	.22	.19	.17
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.28	.24	.20	.23	.20	.17	.15
9.0	.38	.30	.25	.35	.28	.24	.30	.25	.21	.26	.21	.18	.22	.18	.16	.14
10.0	.34	.27	.22	.32	.26	.21	.28	.23	.19	.24	.20	.17	.20	.17	.14	.12



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

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

WEC AND CCEC

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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	.288	.164	.052	.266	.152	.048	.225	.129	.041	.187	.108	.035	.153	.088	.029	
2.0	.266	.146	.045	.247	.136	.042	.209	.116	.036	.175	.098	.031	.143	.081	.025	
3.0	.246	.131	.039	.227	.122	.037	.193	.105	.032	.162	.089	.027	.132	.073	.023	
4.0	.227	.118	.035	.210	.110	.032	.179	.095	.028	.149	.080	.024	.122	.066	.020	
5.0	.210	.107	.031	.194	.100	.029	.166	.086	.025	.139	.073	.022	.114	.061	.018	
6.0	.195	.098	.028	.181	.091	.026	.154	.079	.023	.129	.067	.020	.106	.056	.017	
7.0	.182	.090	.025	.169	.084	.024	.144	.073	.021	.121	.062	.018	.099	.051	.015	
8.0	.170	.083	.023	.158	.078	.022	.135	.067	.019	.113	.057	.017	.093	.048	.014	
9.0	.159	.077	.022	.148	.072	.020	.127	.063	.018	.106	.053	.015	.087	.044	.013	
10.0	.150	.072	.020	.139	.067	.019	.119	.058	.016	.100	.050	.014	.082	.041	.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	.566	.566	.566	.484	.484	.484	.330	.330	.330	.190	.190	.190	.061	.061	.061	
1.0	.558	.535	.515	.477	.459	.443	.326	.316	.306	.188	.183	.178	.060	.059	.058	
2.0	.550	.513	.482	.471	.442	.417	.323	.306	.291	.186	.178	.170	.060	.058	.056	
3.0	.543	.497	.461	.466	.429	.400	.320	.298	.280	.185	.174	.165	.059	.057	.054	
4.0	.536	.485	.447	.460	.419	.388	.316	.292	.273	.183	.171	.162	.059	.056	.053	
5.0	.530	.476	.437	.455	.412	.380	.313	.288	.268	.182	.169	.159	.058	.055	.052	
6.0	.523	.469	.429	.450	.406	.374	.310	.284	.265	.180	.167	.157	.058	.055	.052	
7.0	.517	.462	.424	.445	.401	.369	.307	.281	.262	.179	.166	.156	.058	.054	.052	
8.0	.512	.457	.420	.440	.397	.366	.305	.278	.260	.177	.164	.155	.057	.054	.051	
9.0	.506	.453	.417	.436	.393	.364	.302	.276	.258	.176	.163	.154	.057	.054	.051	
10.0	.501	.449	.414	.432	.390	.362	.300	.274	.257	.175	.162	.153	.057	.053	.051	

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
 Humidity:36%
 Test Distance:6.770m [K=1.0000]
 Remarks: 聚鑫德源 AI40D2C-421000
 源磊A+ 13S5P/13S10P
 E款 3:7

Uncorrected UGR Table

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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	11.9	12.9	12.8	13.7	14.8	12.6	13.5	13.4	14.4	15.4	
	3H	13.3	14.1	14.2	15.0	16.1	14.2	15.0	15.0	15.9	17.0
	4H	13.8	14.6	14.7	15.5	16.7	14.9	15.7	15.8	16.6	17.7
	6H	14.2	15.0	15.1	15.9	17.0	15.5	16.2	16.4	17.1	18.3
	8H	14.3	15.0	15.2	16.0	17.1	15.7	16.4	16.6	17.3	18.5
	12H	14.4	15.1	15.3	16.0	17.2	15.8	16.5	16.8	17.4	18.6
4H	2H	12.5	13.3	13.4	14.2	15.3	13.0	13.8	13.9	14.7	15.8
	3H	14.1	14.7	15.0	15.7	16.9	14.8	15.5	15.7	16.4	17.6
	4H	14.7	15.4	15.7	16.3	17.5	15.6	16.2	16.6	17.2	18.4
	6H	15.3	15.8	16.2	16.7	18.0	16.4	16.9	17.3	17.8	19.1
	8H	15.4	15.9	16.4	16.9	18.1	16.6	17.1	17.6	18.1	19.4
	12H	15.5	16.0	16.5	16.9	18.2	16.9	17.3	17.8	18.3	19.6
8H	4H	15.0	15.5	16.0	16.5	17.8	15.8	16.3	16.8	17.3	18.5
	6H	15.7	16.1	16.7	17.1	18.4	16.7	17.1	17.7	18.1	19.4
	8H	16.0	16.4	17.0	17.4	18.7	17.1	17.5	18.1	18.5	19.8
	12H	16.2	16.5	17.2	17.5	18.8	17.4	17.7	18.5	18.8	20.1
12H	4H	15.0	15.5	16.0	16.5	17.7	15.8	16.2	16.8	17.2	18.5
	6H	15.8	16.2	16.8	17.2	18.5	16.7	17.1	17.7	18.1	19.4
	8H	16.1	16.4	17.2	17.5	18.8	17.2	17.5	18.2	18.5	19.8
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 2402 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.0)

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:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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:

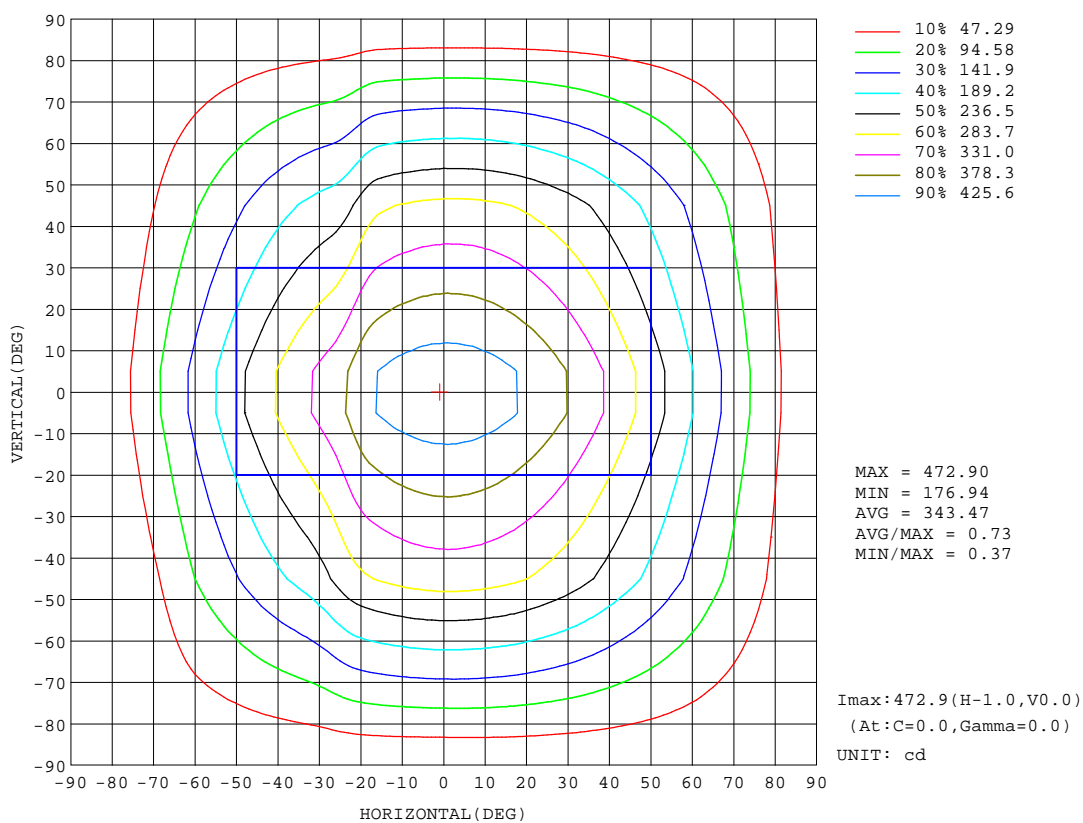
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	33	27	42	32	26	37	29	24	16
0.80	53	42	35	50	40	33	44	36	31	21
1.00	61	50	42	57	47	40	50	43	37	25
1.25	68	57	50	64	54	47	55	48	42	29
1.50	73	63	55	68	59	52	59	52	47	31
2.00	80	71	64	75	66	60	64	58	53	35
2.50	85	76	69	79	71	65	67	62	58	37
3.00	88	81	74	82	75	70	70	65	61	39
4.00	93	86	81	86	80	76	73	69	66	42
5.00	95	90	85	88	84	80	75	72	69	43
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 3:7

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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:



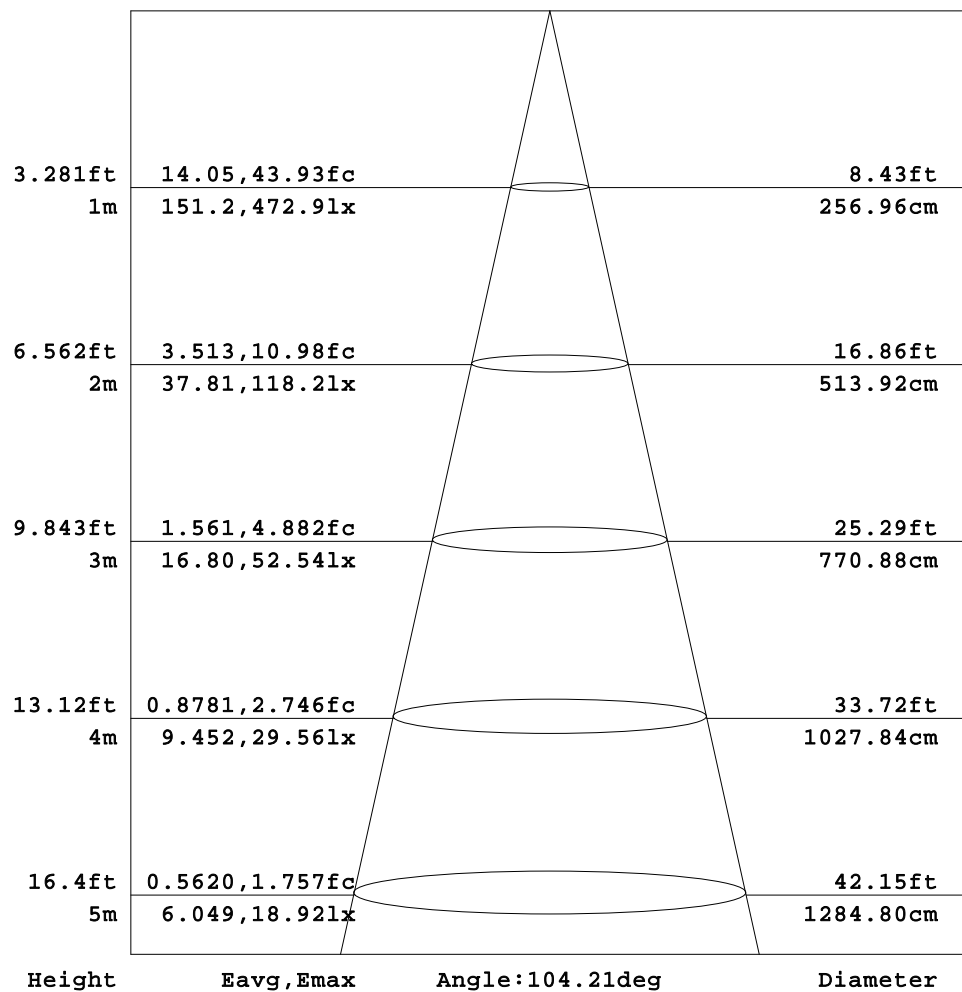
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-08-16

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

AAI Figure

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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:806.9 lm



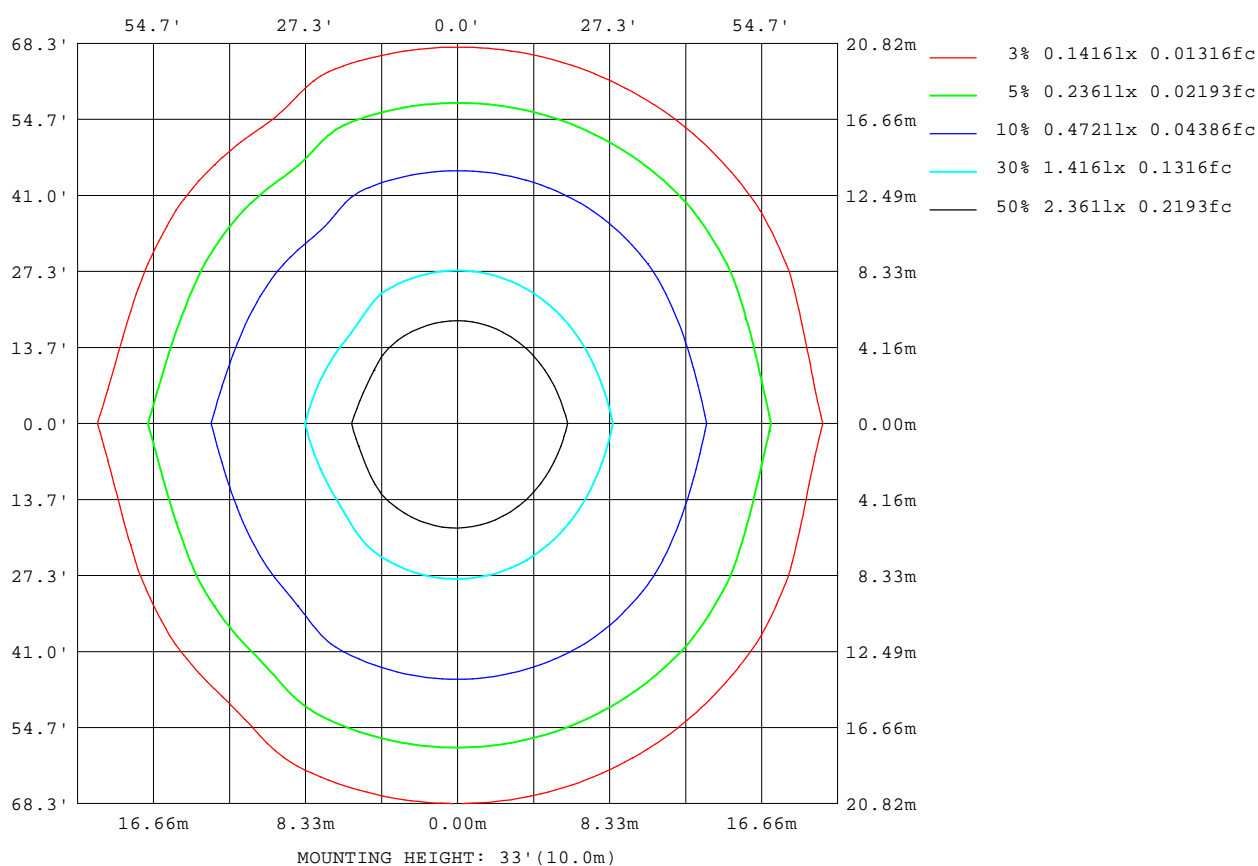
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 3:7

ISOLUX DIAGRAM

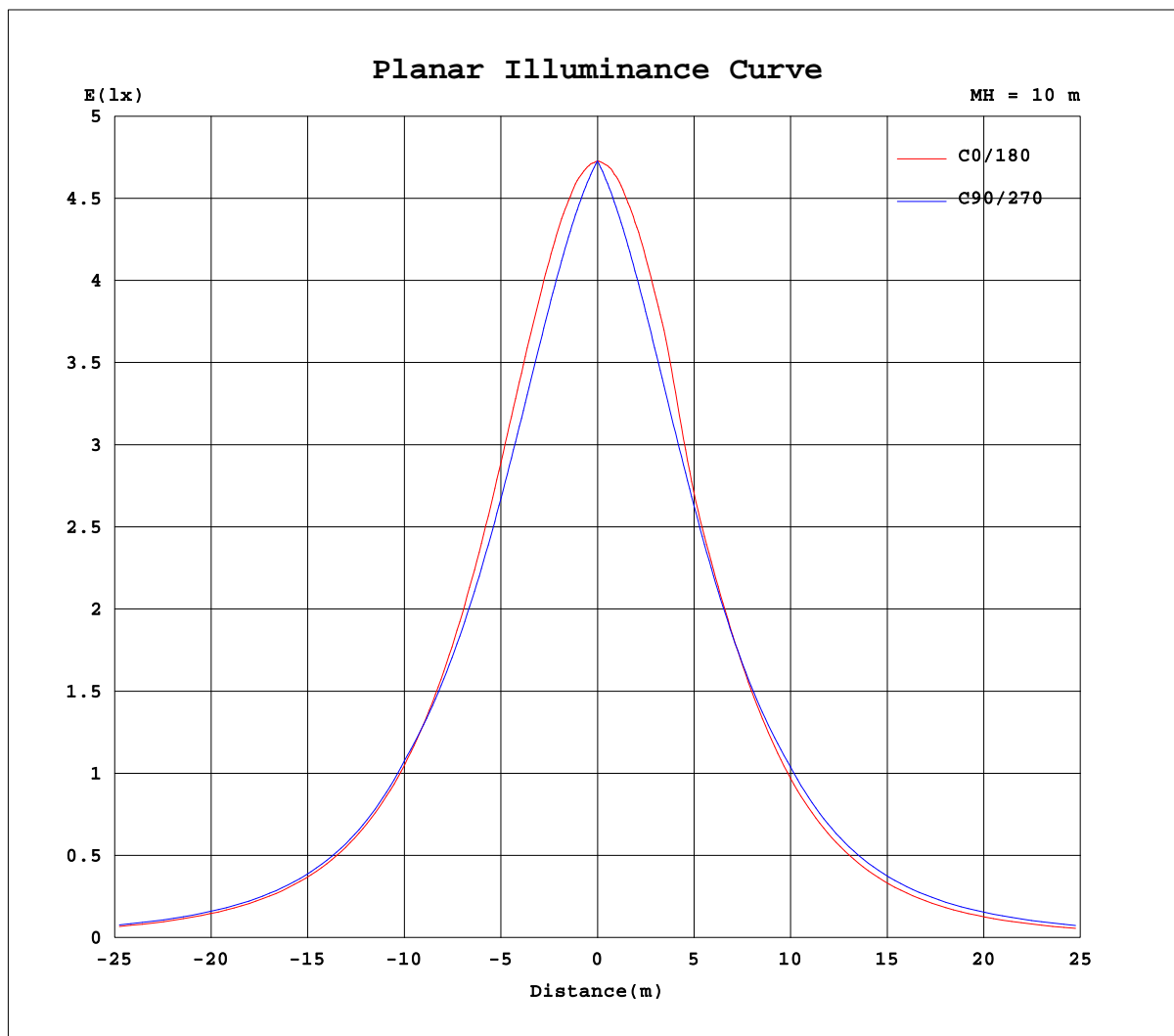
Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 lm		
NAME: 二代线条灯	TYPE:上下发光 白色外壳	WEIGHT:
DIM.: 2FT	SPEC.:3500K	SERIAL No.:YQ2107-7
MFR.: YQ	SUR.:0.171*1.13m	PROTECTION ANGLE:



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks: 聚鑫德源 AI40D2C-421000
源磊A+ 13S5P/13S10P
E款 3:7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473
5	469	468	466	465	463	462	461	459	458	457	457	456	455	455	455	454	454	454	454
10	461	458	455	453	450	448	445	443	442	441	440	439	437	436	436	436	435	435	436
15	449	444	440	436	433	430	427	425	423	422	420	419	418	418	417	417	417	416	417
20	433	427	421	417	413	409	406	404	402	401	400	399	398	398	398	398	398	398	398
25	412	405	399	394	390	386	384	382	380	379	378	378	378	378	378	379	379	379	379
30	387	379	372	367	364	360	358	357	356	356	356	357	357	358	359	359	360	360	361
35	359	351	344	339	335	332	331	331	331	332	333	335	336	338	339	340	341	342	342
40	330	320	313	308	305	303	303	304	305	308	310	313	315	318	319	321	322	323	323
45	297	287	280	276	273	273	274	277	280	283	287	290	294	297	300	302	303	304	305
50	263	253	246	242	241	243	245	249	254	259	264	269	270	271	271	271	271	271	271
55	227	217	211	209	209	212	216	222	228	234	235	235	236	236	237	237	238	237	237
60	191	181	176	176	178	182	189	196	196	198	199	200	201	202	203	203	204	204	204
65	155	145	142	143	147	154	159	160	161	163	165	166	167	168	170	170	170	170	170
70	118	110	109	112	119	122	123	125	127	129	131	133	134	135	136	137	137	137	137
75	84.1	77.3	78.5	84.2	86.1	88.5	90.6	92.7	94.6	96.5	98.3	99.8	101	102	103	103	103	103	103
80	51.5	47.2	51.9	53.7	55.7	57.8	60.2	62.0	63.7	65.1	66.4	67.5	68.5	69.1	69.6	69.9	70.0	69.9	69.4
85	21.5	21.6	24.9	27.3	29.0	30.5	31.9	32.9	33.8	34.5	35.2	35.7	36.1	36.4	36.7	36.7	36.6	36.4	35.8
90	4.63	4.60	4.63	4.63	4.64	4.62	4.58	4.50	4.42	4.33	4.21	4.08	3.96	3.87	3.77	3.57	3.28	2.91	2.19
95	2.79	3.83	12.4	19.2	22.6	24.8	26.5	28.1	29.3	30.4	31.3	32.1	32.9	33.5	34.1	34.6	34.9	35.0	34.8
100	26.9	24.8	32.0	39.0	43.2	46.5	49.5	52.5	54.9	56.9	58.8	60.5	61.9	63.3	64.6	65.6	66.5	67.1	67.3
105	59.7	54.6	57.4	63.9	67.8	71.2	75.1	78.7	81.5	84.4	87.0	89.3	91.4	93.4	95.2	96.7	98.2	99.3	99.9
110	91.4	85.0	84.7	88.7	95.2	99.4	103	107	110	113	116	119	121	124	126	128	130	131	132
115	125	117	115	117	121	129	134	137	140	143	146	149	152	155	157	160	162	164	165
120	159	151	147	147	150	155	162	169	172	175	178	180	183	186	189	191	194	196	198
125	194	185	180	179	180	183	188	194	201	208	210	213	215	218	221	223	226	228	230
130	228	219	214	211	211	212	216	220	226	232	238	244	248	251	253	256	258	261	263
135	261	253	247	243	242	242	244	247	251	256	261	266	271	276	281	286	290	293	295
140	293	285	279	275	272	272	272	274	277	281	284	289	293	297	301	304	308	311	313
145	324	316	310	306	303	301	301	302	303	305	308	311	314	317	320	323	326	329	331
150	353	346	340	335	332	330	329	329	329	330	332	333	335	337	340	343	345	347	349
155	380	373	368	363	360	357	356	355	354	354	354	355	356	358	360	362	363	365	367
160	403	398	393	389	386	383	381	379	378	377	376	377	378	378	380	381	382	384	385
165	422	417	414	410	407	404	402	401	400	399	398	398	398	399	399	400	401	402	403
170	437	434	431	429	427	425	423	422	421	420	419	419	419	418	418	419	419	420	421
175	449	448	446	445	444	442	441	440	440	439	439	438	438	438	438	438	438	438	438
180	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks: 聚鑫德源 AI40D2C-421000
源磊A+ 13S5P/13S10P
E款 3:7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473
5	454	454	454	455	455	456	457	457	458	459	461	462	463	464	466	467	469	470	468
10	435	435	436	437	437	438	439	440	442	443	445	446	449	451	454	457	460	463	460
15	417	417	417	418	418	419	420	421	422	424	427	429	432	435	438	442	446	450	445
20	398	398	398	398	398	399	400	401	402	403	405	407	410	414	417	421	426	432	425
25	379	379	379	379	378	378	378	378	379	380	380	378	377	376	377	380	384	390	382
30	360	360	359	359	358	357	356	356	353	348	342	338	336	337	341	346	352	360	351
35	342	341	340	338	337	335	334	329	320	312	306	304	304	307	312	318	326	335	325
40	323	322	320	318	316	313	308	298	286	278	274	273	275	278	282	288	296	307	296
45	304	303	301	298	295	291	282	267	255	248	246	245	246	247	250	256	264	274	263
50	271	270	270	269	268	266	254	236	226	221	218	216	215	215	217	222	229	240	229
55	237	237	236	235	234	228	215	204	200	196	192	188	184	183	184	187	194	205	193
60	203	203	202	201	199	191	178	170	169	167	166	159	154	151	150	152	158	169	157
65	170	169	169	167	165	155	145	140	138	136	133	130	126	121	118	117	121	132	121
70	136	136	135	134	131	122	114	111	109	106	103	99.9	96.7	92.2	84.0	80.5	84.2	95.5	85.7
75	103	102	102	101	98.0	90.2	85.0	82.9	81.0	78.3	75.4	72.3	68.5	60.7	51.6	47.8	50.4	60.9	52.8
80	69.2	69.1	68.6	68.0	65.6	60.1	57.0	55.3	53.9	51.9	49.6	47.0	42.9	35.3	27.7	20.5	21.1	28.6	23.1
85	35.7	35.7	35.5	35.2	33.8	31.0	29.6	28.4	27.6	26.5	25.3	24.0	21.2	16.9	12.5	7.42	3.00	4.24	3.85
90	2.12	2.38	2.43	2.37	2.32	2.34	2.35	1.73	1.72	1.81	2.00	2.18	2.33	2.45	2.56	2.73	2.76	2.26	2.81
95	35.1	35.6	35.8	35.9	35.9	35.9	34.7	31.7	30.1	29.4	29.1	28.6	27.4	27.0	28.0	28.7	30.8	33.2	12.8
100	68.0	68.7	69.2	69.4	69.5	69.6	67.5	62.4	59.0	57.6	56.7	55.8	54.2	52.6	54.7	57.8	54.1	61.0	39.8
105	101	102	103	103	103	103	101	94.4	88.7	86.6	85.1	84.7	83.6	81.4	82.0	76.3	73.6	79.5	63.4
110	134	135	136	137	137	138	136	128	120	117	115	115	115	114	108	105	104	98.5	87.8
115	167	168	169	170	171	172	172	165	155	149	148	147	146	142	140	140	144	145	132
120	200	201	203	204	205	206	207	204	194	185	181	176	173	172	173	175	181	154	143
125	233	234	236	238	239	241	243	243	236	221	208	201	199	201	204	210	218	220	207
130	265	267	269	271	273	276	276	271	264	252	241	233	227	226	230	237	247	260	247
135	298	299	300	300	299	298	297	291	286	280	273	266	264	261	260	262	269	279	268
140	316	317	318	319	319	319	318	317	309	303	300	297	295	295	298	303	310	321	308
145	334	335	336	337	338	338	339	339	340	334	325	322	323	324	326	330	336	345	334
150	351	353	354	356	357	358	359	360	362	364	365	361	355	351	351	355	359	366	358
155	369	371	372	374	375	377	379	380	382	385	388	391	395	399	403	406	411	420	412
160	387	388	390	391	393	395	397	399	402	404	407	410	414	418	423	428	433	440	434
165	404	406	407	409	410	412	414	416	419	421	424	427	430	434	438	442	446	451	446
170	422	423	424	425	427	428	430	432	434	436	438	440	443	445	448	451	454	458	455
175	439	440	440	441	442	443	444	445	446	448	449	450	452	453	455	456	458	460	458
180	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	457	457

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks: 聚鑫德源 AI40D2C-421000
源磊A+ 13S5P/13S10P
E款 3:7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473
5	467	465	464	462	461	460	459	458	457	456	455	454	453	453	453	453	453	453	453
10	456	453	450	448	445	443	441	440	439	437	436	435	434	434	433	433	433	433	433
15	441	437	433	430	427	425	422	420	418	417	416	415	414	414	413	413	413	413	413
20	420	415	411	408	405	402	400	398	397	396	395	394	394	393	394	393	394	393	393
25	376	372	370	369	371	373	374	374	374	373	373	373	373	373	373	373	374	374	373
30	343	336	330	326	326	328	334	342	348	350	351	352	352	352	353	353	354	354	354
35	316	309	303	299	295	292	293	299	311	322	328	329	331	332	333	334	334	334	334
40	287	280	275	271	268	266	265	265	272	287	301	307	310	311	313	314	314	314	314
45	254	248	244	241	240	240	239	239	240	250	269	284	288	290	292	294	294	295	294
50	220	214	211	211	211	212	214	215	216	220	235	253	259	260	261	261	262	262	263
55	186	181	179	179	182	185	188	191	190	190	197	216	226	228	228	229	229	230	230
60	150	148	147	149	153	158	160	161	162	162	165	179	193	195	196	196	197	197	197
65	116	115	117	121	124	127	130	132	134	134	135	146	160	163	163	164	164	165	165
70	82.7	84.5	88.5	92.2	95.4	98.4	102	104	106	107	108	114	127	130	131	131	132	132	132
75	52.3	56.3	61.1	65.3	68.9	71.8	74.8	77.7	79.3	80.4	81.1	84.8	94.9	98.2	98.7	99.1	99.4	99.6	99.8
80	25.8	32.2	37.5	41.6	44.8	47.4	49.6	51.8	53.1	54.0	54.7	56.8	63.5	66.2	66.5	66.7	67.0	67.1	67.3
85	9.29	14.8	18.4	20.9	22.9	24.3	25.5	26.6	27.3	28.0	28.5	29.4	32.8	34.3	34.3	34.4	34.5	34.6	34.7
90	2.44	2.26	2.14	2.05	2.10	2.03	1.99	1.96	1.85	2.02	2.31	2.32	2.41	2.47	2.21	2.00	2.00	2.08	2.21
95	13.3	16.2	18.4	21.0	22.5	24.3	28.1	27.5	27.6	28.3	31.2	34.3	34.8	34.9	34.3	33.9	33.7	33.4	33.2
100	30.7	33.5	37.4	42.0	43.9	48.8	54.8	53.1	53.6	54.9	60.8	66.4	67.3	67.4	66.4	65.8	65.3	64.8	64.2
105	55.4	56.3	61.1	65.0	67.2	77.3	81.2	78.6	80.1	82.5	91.5	98.9	99.9	99.8	98.4	97.6	97.0	96.2	95.2
110	84.9	87.0	89.5	90.2	96.2	109	107	105	107	112	124	132	133	132	130	129	129	128	126
115	126	115	112	120	136	139	134	134	135	144	159	164	166	164	162	161	160	159	158
120	139	148	153	163	167	165	161	163	165	179	195	198	199	197	194	193	192	191	189
125	199	197	196	193	188	187	191	193	202	219	231	231	232	229	226	225	224	222	220
130	236	227	219	215	216	217	217	223	239	259	265	265	264	261	258	257	255	254	252
135	259	254	252	249	246	244	247	257	274	287	289	292	292	290	289	288	287	285	283
140	298	290	283	277	274	276	282	296	308	310	312	313	311	310	308	307	306	304	302
145	324	316	311	308	308	314	326	334	333	333	334	332	330	329	328	326	325	323	321
150	351	347	347	351	357	361	359	357	356	355	353	351	350	348	347	345	344	342	340
155	406	402	397	393	388	385	382	380	378	375	373	371	369	367	365	364	363	361	359
160	428	422	417	413	409	406	402	399	396	394	391	389	387	386	384	383	381	380	379
165	442	437	433	430	426	422	420	417	414	412	409	408	406	404	403	401	400	399	398
170	451	448	445	442	440	437	435	432	430	429	427	425	423	422	421	420	419	418	418
175	456	455	453	452	450	448	447	446	445	443	442	441	440	440	439	439	438	438	437
180	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks: 聚鑫德源 AI40D2C-421000
源磊A+ 13S5P/13S10P
E款 3:7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1600A P:19.10W PF:0.9900 Lamp Flux:2402.29x1 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	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473				
5	453	453	454	455	455	456	457	458	459	460	461	463	464	466	468				
10	433	434	434	436	437	438	439	441	442	444	447	449	452	455	458				
15	413	414	415	416	416	418	420	422	424	426	429	432	435	440	444				
20	394	394	394	395	396	397	398	400	402	404	408	411	416	421	427				
25	374	374	374	374	374	375	376	377	379	382	385	388	393	398	405				
30	354	353	353	353	352	352	353	353	354	356	358	362	366	372	378				
35	333	333	332	331	330	329	329	328	328	329	331	334	338	343	350				
40	313	312	311	309	308	306	304	302	301	301	302	304	307	312	320				
45	294	292	290	288	285	282	279	277	274	273	272	273	275	280	287				
50	263	264	264	264	263	259	255	251	247	244	242	241	242	246	253				
55	230	230	231	230	230	231	231	226	220	215	211	209	209	211	217				
60	198	198	197	197	197	196	195	195	194	188	182	178	176	177	181				
65	165	165	164	164	163	162	161	160	159	159	155	148	144	143	146				
70	132	132	132	131	130	129	128	126	125	124	123	121	114	110	111				
75	99.8	99.6	99.3	98.9	98.1	97.0	95.7	94.3	93.0	91.5	90.0	88.2	87.0	80.8	78.6				
80	67.3	67.3	67.0	66.8	66.4	65.5	64.5	63.7	62.5	61.2	59.5	57.8	56.4	55.3	49.3				
85	34.9	35.0	35.0	35.1	35.0	34.6	34.2	33.9	33.4	32.9	31.8	30.8	29.5	27.7	25.3				
90	2.52	2.82	3.11	3.42	3.72	3.91	4.17	4.64	5.07	5.45	5.77	6.00	6.20	6.40	6.57				
95	33.0	32.7	32.3	31.9	31.3	30.5	29.6	28.7	27.7	26.1	24.4	22.1	17.9	9.86	3.19				
100	63.6	62.8	61.7	60.5	59.0	57.4	55.4	53.5	51.2	48.0	44.8	40.9	35.5	26.6	21.2				
105	94.2	93.0	91.3	89.4	87.3	85.0	82.2	79.4	76.3	72.3	68.2	64.2	59.4	53.5	52.0				
110	125	123	121	119	116	113	110	107	104	100	95.4	90.8	85.0	81.7	83.1				
115	156	154	152	149	146	143	140	137	133	130	125	117	113	112	115				
120	187	185	183	180	177	174	171	168	165	158	151	147	144	145	149				
125	218	216	214	212	209	206	204	197	190	185	180	177	176	178	184				
130	250	248	246	244	240	234	228	222	217	213	209	208	209	212	218				
135	279	276	272	267	262	257	252	248	244	241	240	239	241	245	251				
140	299	296	292	289	285	281	277	274	272	270	270	270	273	278	284				
145	318	316	313	310	308	305	303	301	299	299	299	301	304	309	315				
150	338	336	334	332	330	329	328	327	327	327	328	331	334	339	345				
155	358	356	355	353	353	352	352	352	353	354	356	358	362	367	372				
160	377	377	376	375	374	375	375	376	377	379	382	385	388	392	397				
165	398	397	396	396	396	397	397	398	400	402	404	406	409	413	417				
170	417	417	417	417	417	418	419	420	421	422	424	426	428	431	434				
175	437	437	437	437	438	438	439	440	440	441	442	443	444	446	447				
180	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457				

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