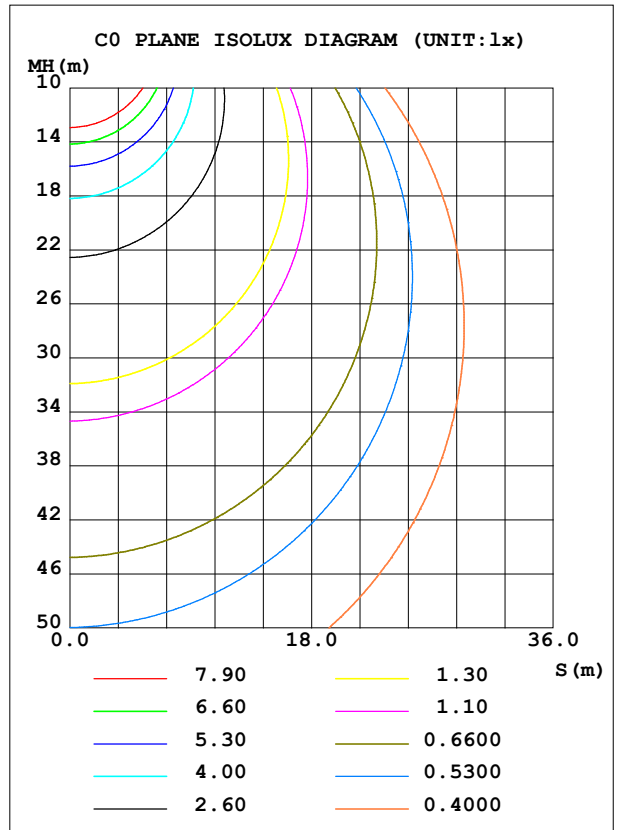
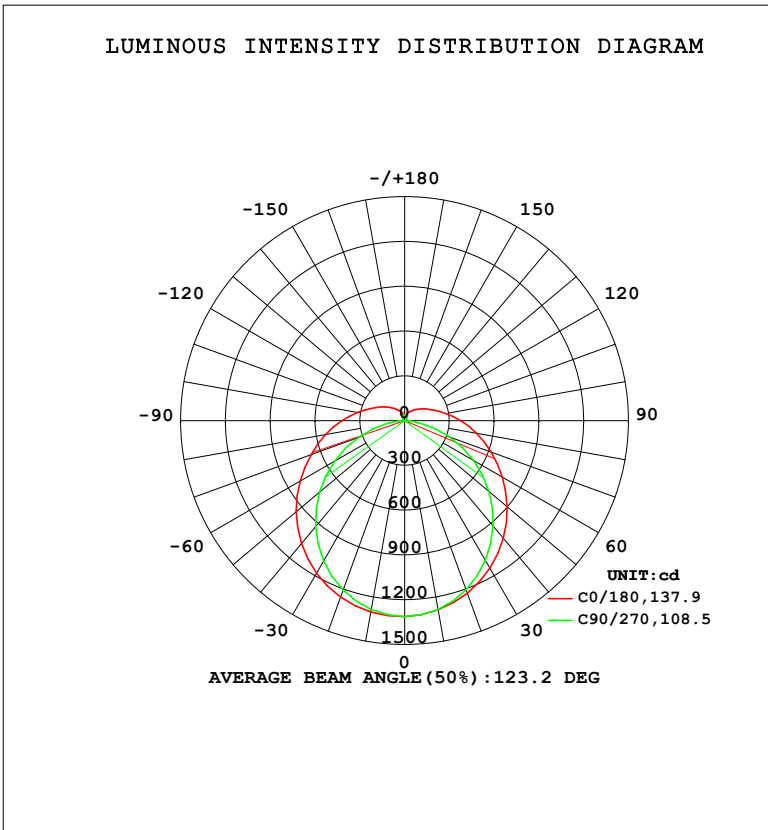


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	T10	Imax (cd)	1312	S/MH (C0/180)	1.34
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	5040.0	$\eta$ UP, DN (C0-180)	6.4, 43.1
NOMINAL FLUX (lm)	5039.95	CIE CLASS	SEMI-D.	$\eta$ UP, DN (C180-360)	6.7, 43.8
LAMPS INSIDE	1	$\eta$ up (%)	13.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	219.5	$\eta$ down (%)	86.9	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1287	1286	1284	1292	1301	1295	1286	1287	0- 10	124.2	124.2	2.46,2.46
20	1229	1217	1205	1228	1257	1235	1208	1219	10- 20	356.3	480.5	9.53,9.53
30	1141	1112	1081	1125	1180	1138	1086	1112	20- 30	543.0	1023	20.3,20.3
40	1028	977.5	921.8	991.1	1075	1009	928.2	975.6	30- 40	662.6	1686	33.5,33.5
50	896.6	823.1	736.9	834.0	949.1	857.4	744.7	817.8	40- 50	704.5	2391	47.4,47.4
60	754.8	658.4	532.3	664.9	808.9	694.2	541.7	649.9	50- 60	670.2	3061	60.7,60.7
70	616.1	498.0	317.6	498.5	668.1	531.6	328.2	484.3	60- 70	572.6	3633	72.1,72.1
80	488.9	358.8	114.4	354.4	538.2	389.8	122.9	341.3	70- 80	439.1	4072	80.8,80.8
90	375.9	248.9	4.545	243.8	421.0	277.2	4.555	229.6	80- 90	307.2	4380	86.9,86.9
100	280.7	171.5	6.212	168.9	321.2	195.1	6.850	153.0	90-100	211.9	4592	91.1,91.1
110	208.9	118.9	9.551	125.4	242.0	144.3	10.34	96.49	100-110	148.9	4740	94.1,94.1
120	159.5	83.16	14.62	98.83	184.6	112.4	14.85	70.56	110-120	105.5	4846	96.2,96.2
130	122.1	61.78	18.69	81.31	140.7	90.70	18.72	53.89	120-130	74.06	4920	97.6,97.6
140	94.39	47.79	22.21	67.65	107.4	74.27	22.09	41.48	130-140	51.03	4971	98.6,98.6
150	71.61	37.06	28.07	56.33	81.11	60.58	28.10	33.04	140-150	33.71	5005	99.3,99.3
160	53.22	32.86	33.81	47.57	59.93	50.00	34.07	32.64	150-160	20.73	5026	99.7,99.7
170	36.70	30.02	38.61	37.47	30.17	39.16	38.93	30.20	160-170	10.93	5036	99.9,99.9
180	27.56	40.80	41.64	41.02	27.66	40.91	41.71	41.04	170-180	3.506	5040	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2038 lm

%lum = 40.4%

%lamp = 40.4%

Conical surface Flux(130deg): 3362.3 lm

%lum = 66.7%

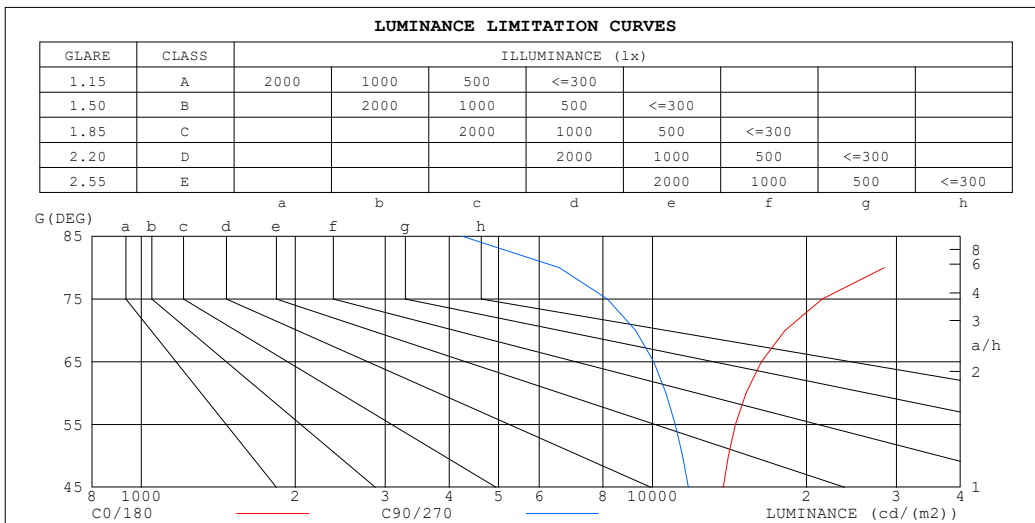
%lamp = 66.7%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	49818	4246
80	28400	6573
75	21466	8160
70	18169	9268
65	16329	10051
60	15227	10626
55	14535	11076
50	14070	11443
45	13754	11745

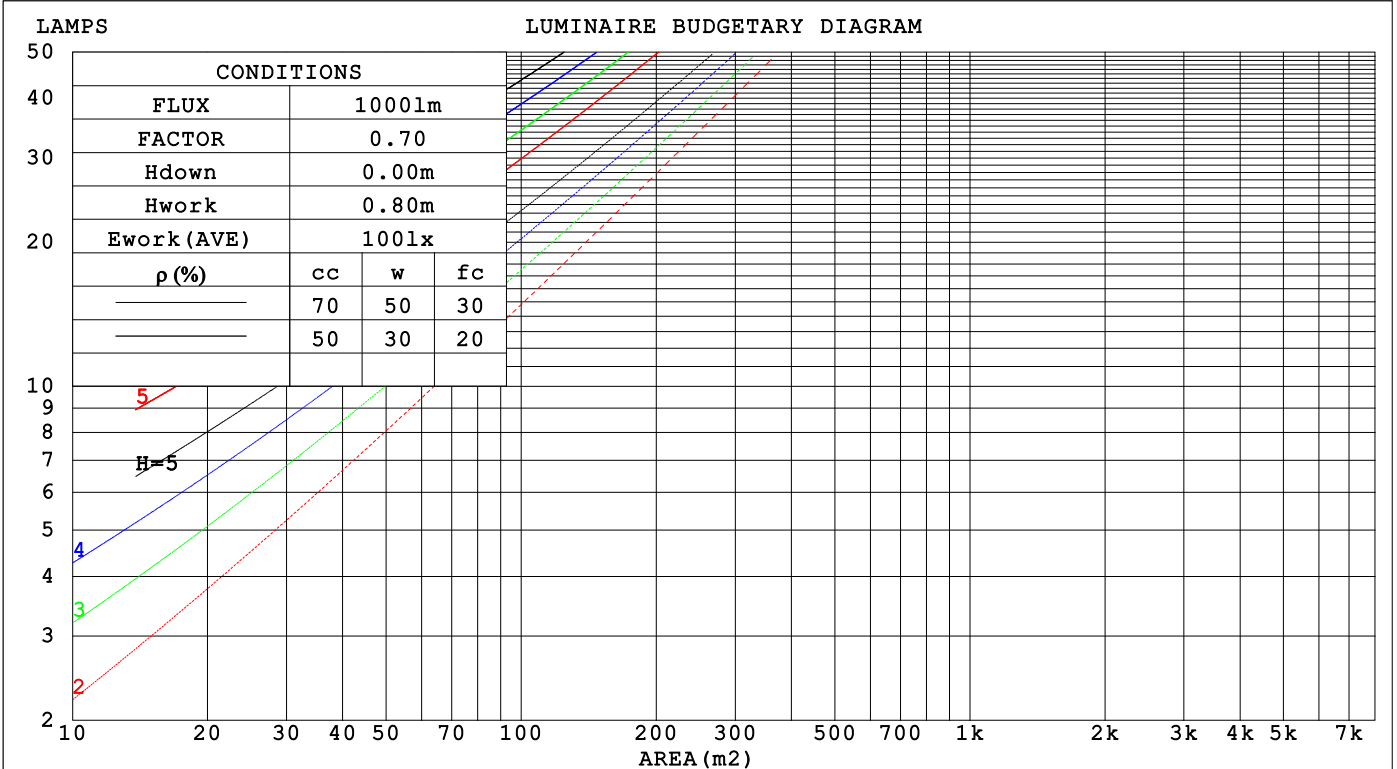
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87
1.0	.98	.93	.88	.94	.90	.86	.88	.84	.80	.81	.78	.76	.76	.73	.71	.68
2.0	.84	.77	.70	.81	.74	.68	.75	.70	.65	.70	.65	.61	.65	.61	.58	.55
3.0	.73	.65	.58	.71	.63	.56	.66	.59	.54	.61	.56	.51	.57	.52	.48	.46
4.0	.65	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.51	.45	.41	.38
5.0	.57	.48	.41	.56	.47	.40	.52	.44	.39	.49	.42	.37	.45	.40	.36	.33
6.0	.52	.42	.36	.50	.41	.35	.47	.39	.34	.44	.37	.32	.41	.35	.31	.29
7.0	.47	.38	.31	.45	.37	.31	.42	.35	.30	.40	.33	.29	.37	.32	.27	.25
8.0	.42	.34	.28	.41	.33	.27	.39	.32	.26	.36	.30	.25	.34	.29	.24	.22
9.0	.39	.30	.25	.38	.30	.24	.36	.29	.24	.34	.27	.23	.32	.26	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.21	.29	.24	.20	.18



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz								
Lamp Flux:5039.95x1 lm								
NAME: 线条灯			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: EVERFINE			SUR.:			Shielding Angle:		

ρ <sub>CC</sub>	80%			70%			50%			30%			10%			0
ρ <sub>W</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>FC</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.365	.207	.066	.353	.202	.064	.332	.191	.061	.313	.181	.058	.295	.171	.055	
2.0	.321	.176	.054	.311	.171	.053	.292	.163	.051	.275	.154	.048	.259	.146	.046	
3.0	.288	.153	.046	.279	.150	.045	.262	.142	.043	.246	.135	.041	.232	.128	.040	
4.0	.261	.136	.040	.253	.132	.039	.238	.126	.038	.223	.120	.036	.210	.114	.035	
5.0	.238	.121	.035	.231	.119	.035	.217	.113	.033	.204	.108	.032	.192	.103	.031	
6.0	.219	.110	.031	.212	.107	.031	.200	.102	.030	.188	.098	.029	.177	.093	.028	
7.0	.203	.100	.028	.197	.098	.028	.185	.094	.027	.174	.089	.026	.164	.085	.025	
8.0	.188	.092	.026	.183	.090	.025	.172	.086	.025	.162	.082	.024	.153	.079	.023	
9.0	.176	.085	.024	.171	.083	.023	.161	.080	.023	.152	.076	.022	.143	.073	.021	
10.0	.165	.079	.022	.160	.077	.022	.151	.074	.021	.143	.071	.020	.135	.068	.019	

ρ <sub>CC</sub>	80%			70%			50%			30%			10%			0
ρ <sub>W</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>FC</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.290	.290	.290	.248	.248	.248	.169	.169	.169	.097	.097	.097	.031	.031	.031	
2.0	.277	.233	.196	.238	.201	.169	.163	.139	.118	.094	.081	.069	.030	.026	.023	
3.0	.270	.216	.174	.231	.187	.150	.159	.130	.106	.092	.076	.062	.029	.025	.020	
4.0	.262	.204	.159	.225	.176	.138	.155	.123	.097	.089	.072	.057	.029	.023	.019	
5.0	.254	.194	.149	.219	.167	.129	.151	.117	.091	.087	.069	.054	.028	.022	.018	
6.0	.247	.185	.141	.212	.161	.123	.146	.112	.087	.085	.066	.052	.027	.022	.017	
7.0	.240	.179	.136	.206	.155	.118	.143	.109	.084	.083	.064	.050	.027	.021	.017	
8.0	.233	.173	.132	.201	.150	.115	.139	.105	.082	.081	.062	.049	.026	.020	.016	
9.0	.227	.168	.129	.196	.146	.112	.136	.103	.080	.079	.061	.047	.026	.020	.016	
10.0	.221	.164	.126	.191	.143	.110	.132	.100	.078	.077	.059	.047	.025	.019	.015	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz										
Lamp Flux:5039.95x1 lm										
NAME: 线条灯			TYPE:				WEIGHT:			
SPEC.:			DIM.:				SERIAL No.:			
MFR.: EVERFINE			SUR.:				Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	15.9	17.4	16.4	17.8	18.2	14.5	15.9	14.9	16.3	16.8
3H	18.3	19.6	18.8	20.0	20.5	15.9	17.2	16.4	17.7	18.2
4H	19.6	20.8	20.1	21.3	21.8	16.4	17.7	16.9	18.2	18.7
6H	21.0	22.1	21.5	22.6	23.2	16.8	17.9	17.3	18.4	19.0
8H	21.7	22.9	22.3	23.4	23.9	16.8	17.9	17.3	18.4	19.0
12H	22.6	23.7	23.2	24.2	24.8	16.8	17.9	17.3	18.4	19.0
4H 2H	16.5	17.7	17.0	18.2	18.7	15.4	16.6	15.9	17.1	17.6
3H	19.1	20.2	19.6	20.7	21.3	17.1	18.1	17.6	18.7	19.2
4H	20.5	21.5	21.1	22.1	22.7	17.8	18.8	18.3	19.3	19.9
6H	22.2	23.1	22.8	23.6	24.3	18.3	19.2	18.9	19.7	20.4
8H	23.1	23.9	23.7	24.5	25.2	18.4	19.2	19.0	19.8	20.5
12H	24.1	24.9	24.7	25.5	26.2	18.5	19.2	19.1	19.8	20.5
8H 4H	20.9	21.7	21.5	22.3	22.9	18.6	19.4	19.2	20.0	20.7
6H	22.8	23.5	23.4	24.1	24.8	19.4	20.1	20.0	20.7	21.4
8H	23.9	24.5	24.5	25.2	25.9	19.7	20.4	20.4	21.0	21.7
12H	25.2	25.7	25.9	26.4	27.2	20.0	20.5	20.6	21.2	21.9
12H 4H	20.9	21.6	21.5	22.2	22.9	18.8	19.6	19.4	20.2	20.9
6H	22.9	23.5	23.5	24.1	24.9	19.9	20.5	20.5	21.1	21.8
8H	24.1	24.6	24.8	25.3	26.1	20.3	20.9	21.0	21.5	22.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 5040 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.6)  
 Area: 0.1 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

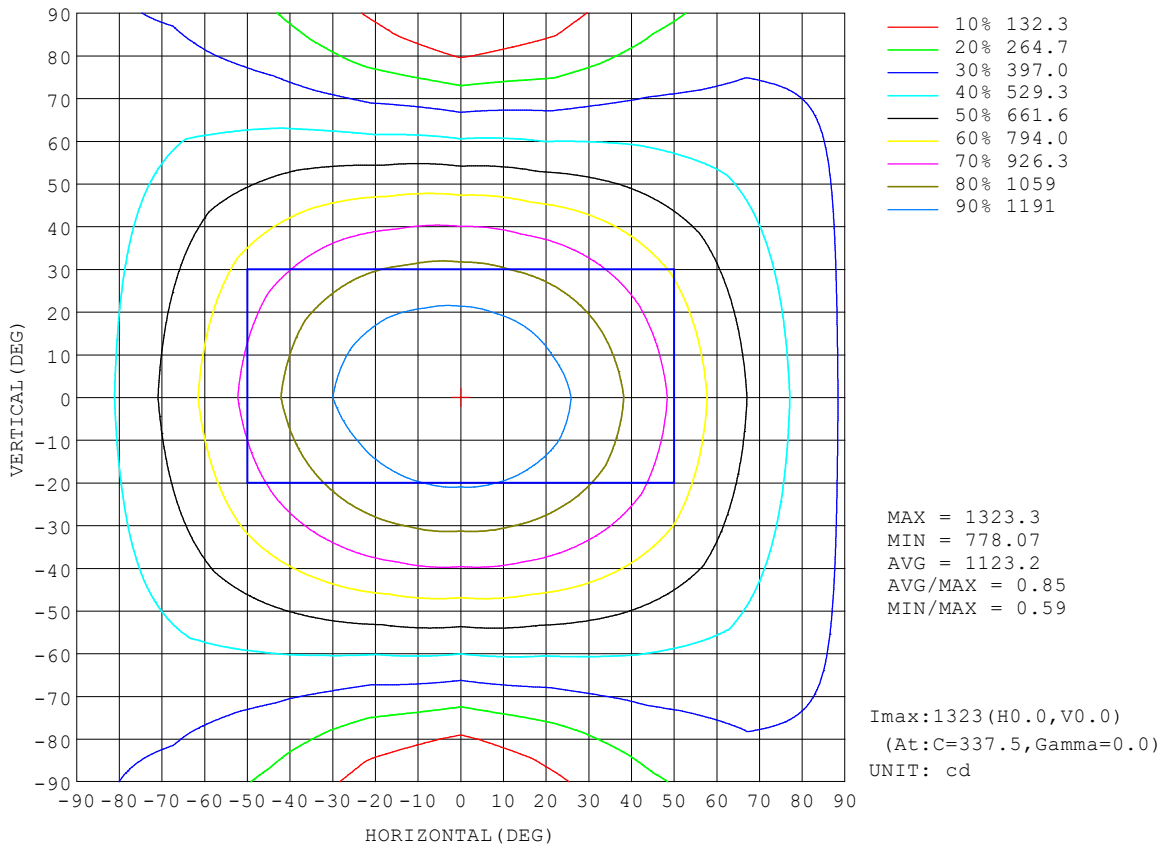
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	31	50	38	31	48	37	31	24
0.80	60	47	40	59	47	39	56	46	39	31
1.00	68	56	48	66	55	47	63	55	46	38
1.25	75	63	55	73	62	54	69	59	53	44
1.50	80	68	60	78	67	59	73	64	58	48
2.00	87	77	69	84	75	68	79	71	65	55
2.50	91	82	74	88	80	73	83	76	70	58
3.00	95	86	79	92	84	78	86	79	74	62
4.00	99	92	86	96	89	84	90	84	80	67
5.00	102	96	91	99	93	88	92	87	83	70
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



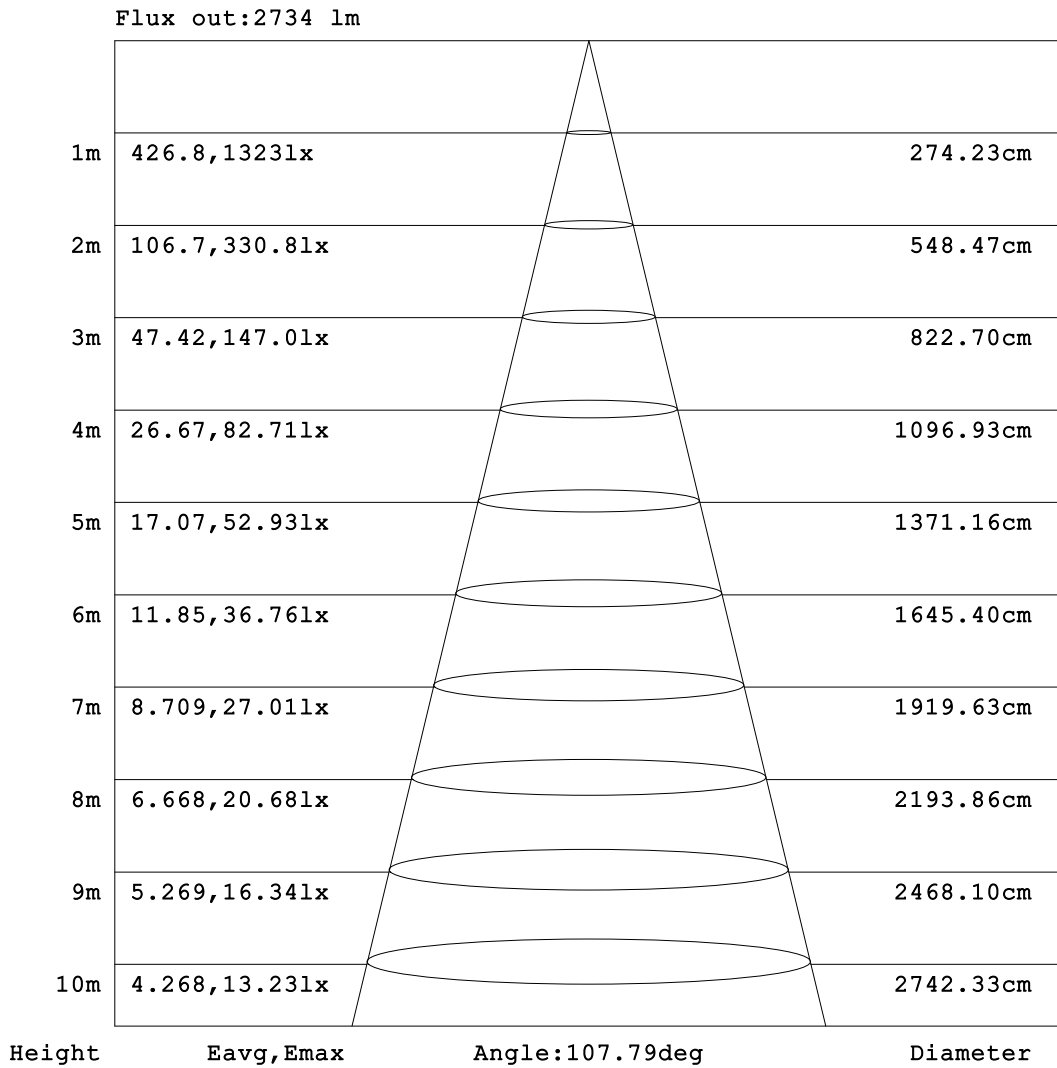
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



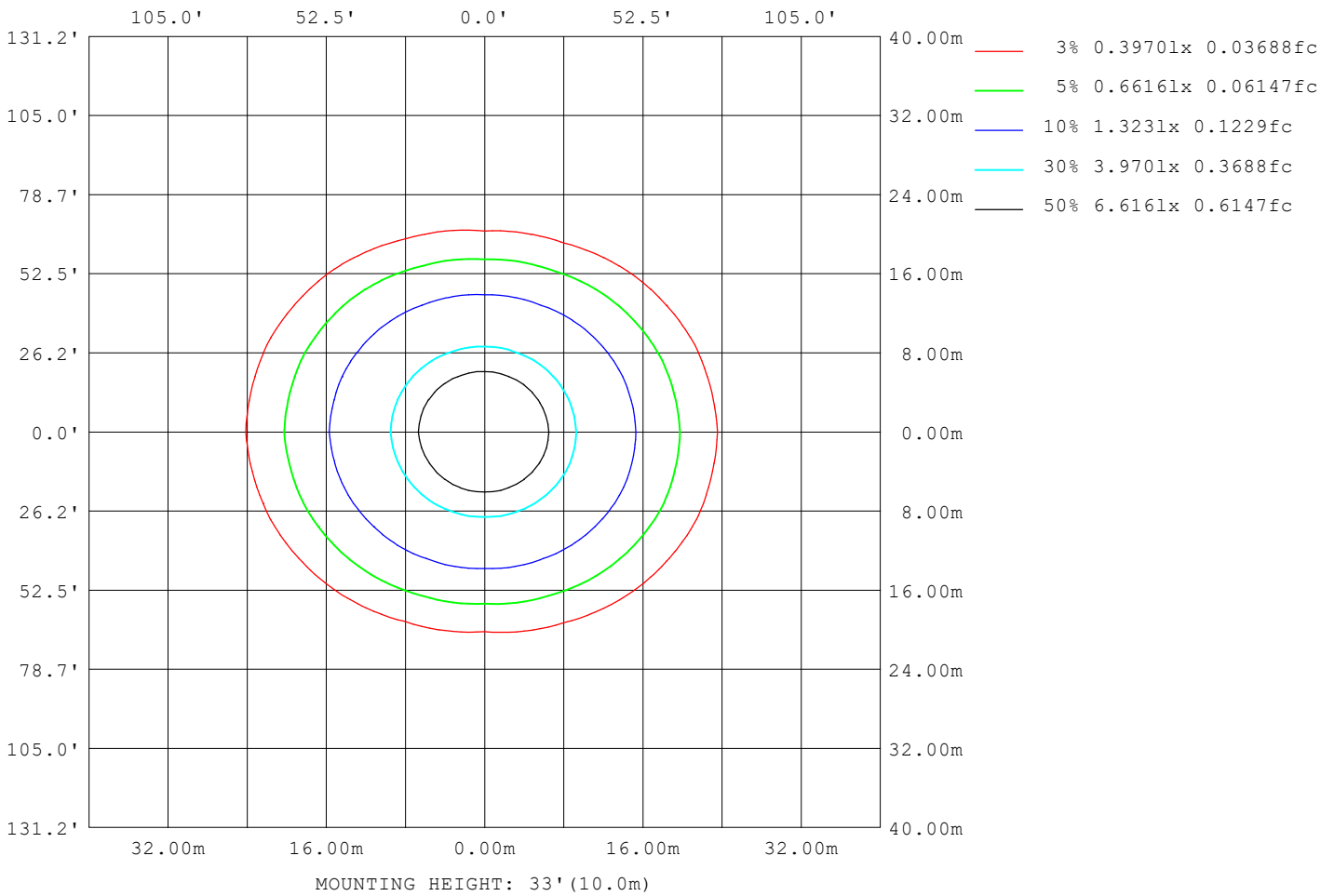
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

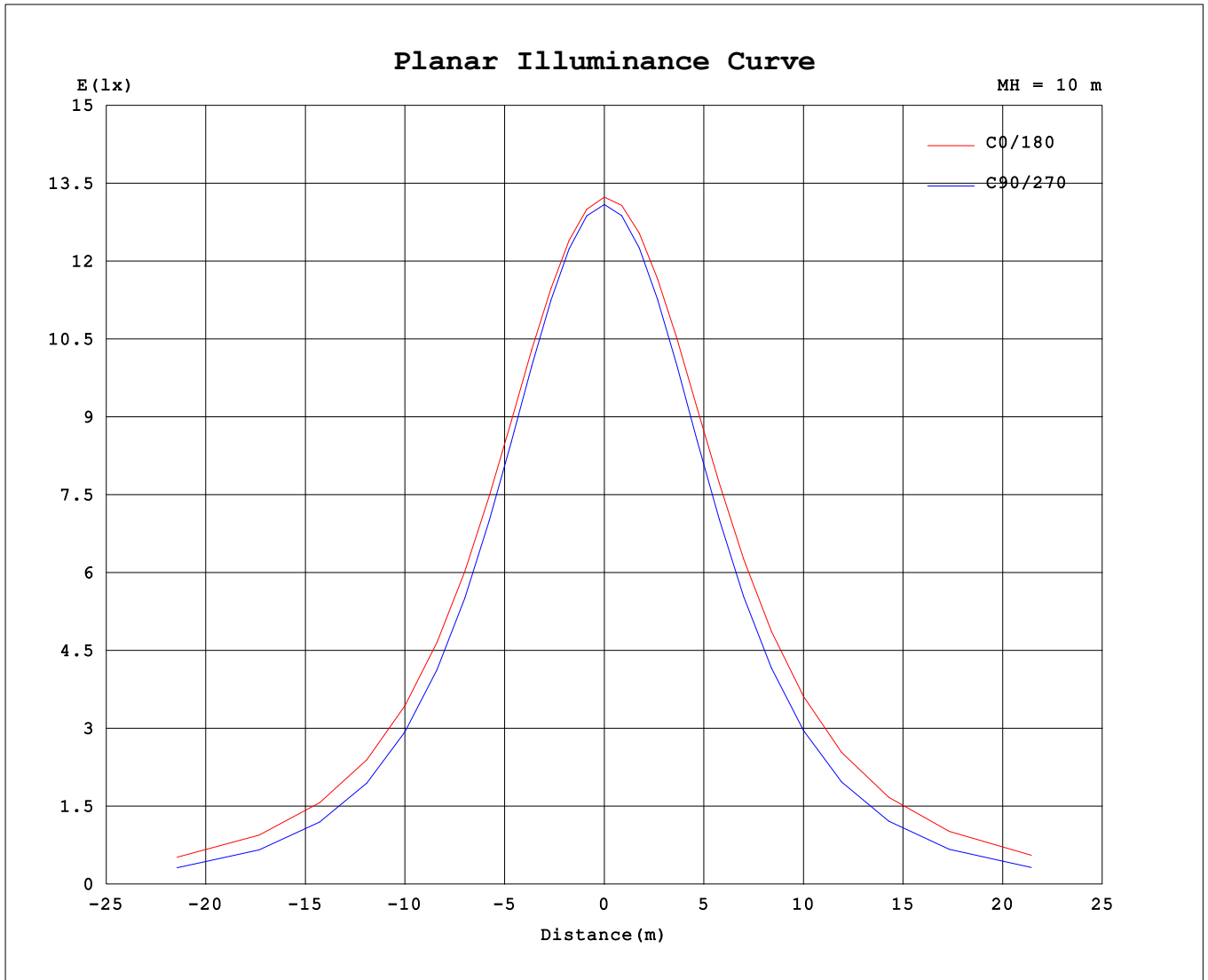
AvgL	cd/m2
L_0~180 (65) av	16820
L_0~180 (75) av	22265
L_0~180 (85) av	52106
L_90~270 (65) av	10183
L_90~270 (75) av	8375
L_90~270 (85) av	4599
L_45 (65) av	13809
L_45 (75) av	16547
L_45 (85) av	34604

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-15

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.30V I:0.1799A P:39.007W PF:0.9843 Freq:50.00Hz Lamp Flux:5039.95x1 lm		
NAME: 线条灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312			
5	1304	1305	1304	1304	1305	1306	1307	1309	1311	1310	1309	1306	1306	1305	1305	1305			
10	1287	1288	1286	1284	1284	1287	1292	1297	1301	1299	1295	1288	1286	1285	1287	1289			
15	1262	1262	1257	1252	1250	1256	1265	1276	1283	1279	1270	1258	1253	1252	1258	1263			
20	1229	1228	1217	1208	1205	1213	1228	1245	1257	1250	1235	1217	1208	1208	1219	1228			
25	1189	1185	1169	1154	1148	1159	1181	1206	1223	1212	1191	1164	1152	1153	1170	1185			
30	1141	1136	1112	1091	1081	1096	1125	1159	1180	1167	1138	1102	1086	1089	1112	1135			
35	1087	1079	1048	1019	1005	1024	1061	1105	1131	1114	1077	1032	1011	1016	1047	1078			
40	1028	1017	978	940	922	944	991	1044	1075	1055	1009	954	928	936	976	1014			
45	964	950	902	855	832	858	914	977	1014	991	936	870	839	850	899	947			
50	897	880	823	765	737	767	834	907	949	922	857	782	745	759	818	875			
55	826	806	741	672	636	672	750	833	880	850	777	689	645	664	735	801			
60	755	732	658	576	532	573	665	758	809	775	694	594	542	567	650	725			
65	684	659	577	481	426	474	580	682	738	701	612	498	435	469	566	651			
70	616	588	498	388	318	377	498	610	668	630	532	404	328	372	484	578			
75	551	521	425	301	212	285	422	541	602	562	457	316	222	280	409	511			
80	489	459	359	224	114	203	354	477	538	498	390	237	123	199	341	447			
85	430	400	300	162	37.1	139	295	418	478	438	330	175	43.1	134	281	388			
90	376	347	249	115	4.54	94.4	244	364	421	382	277	127	4.56	89.0	230	334			
95	326	298	206	84.8	4.89	67.9	202	314	368	331	232	95.4	5.30	61.9	187	286			
100	281	256	171	67.7	6.21	54.9	169	271	321	286	195	76.6	6.85	46.8	153	244			
105	241	219	142	55.8	7.45	48.3	144	233	279	247	166	65.9	8.12	40.6	118	208			
110	209	189	119	48.2	9.55	45.0	125	202	242	214	144	59.3	10.3	36.7	96.5	179			
115	183	164	101	43.4	12.1	43.1	111	177	211	188	127	55.2	12.8	31.7	84.1	148			
120	159	139	83.2	39.0	14.6	41.8	98.8	155	185	164	112	52.3	14.9	27.9	70.6	112			
125	139	120	70.6	35.6	16.8	40.9	89.3	136	161	144	101	49.9	16.8	26.9	60.4	105			
130	122	104	61.8	33.0	18.7	40.3	81.3	120	141	127	90.7	47.9	18.7	26.7	53.9	79.7			
135	107	85.3	54.8	30.9	20.5	40.2	74.2	106	123	111	82.1	46.2	20.5	26.5	47.2	71.2			
140	94.4	70.3	47.8	29.3	22.2	39.8	67.7	94.0	107	98.1	74.3	45.1	22.1	26.0	41.5	61.2			
145	82.4	59.7	41.9	28.2	25.1	39.3	61.6	82.8	93.7	86.2	67.1	43.8	25.0	25.8	37.5	52.1			
150	71.6	49.9	37.1	28.8	28.1	38.2	56.3	72.7	81.1	75.3	60.6	42.5	28.1	26.7	33.0	45.2			
155	61.8	41.7	34.0	29.1	31.1	36.2	51.9	63.5	69.7	65.5	55.1	40.6	31.2	27.8	33.0	38.5			
160	53.2	35.6	32.9	29.3	33.8	34.9	47.6	56.1	59.9	57.4	50.0	37.9	34.1	28.0	32.6	32.6			
165	45.7	30.3	31.7	28.9	36.3	36.8	42.7	49.4	51.7	50.2	44.9	35.8	36.7	29.8	31.9	29.4			
170	36.7	26.5	30.0	34.2	38.6	41.0	37.5	42.3	30.2	43.0	39.2	40.1	38.9	36.1	30.2	27.9			
175	25.2	29.5	36.5	40.1	40.5	41.2	42.5	39.5	25.5	38.5	41.7	41.4	40.6	40.1	37.0	30.9			
180	27.6	38.5	40.8	41.5	41.6	41.6	41.0	39.3	27.7	38.5	40.9	41.5	41.7	41.5	41.0	39.2			

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 C Interval: 22.5DEG  
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