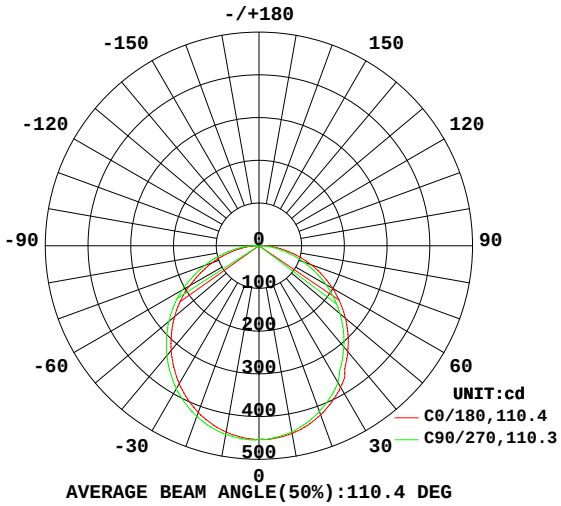
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

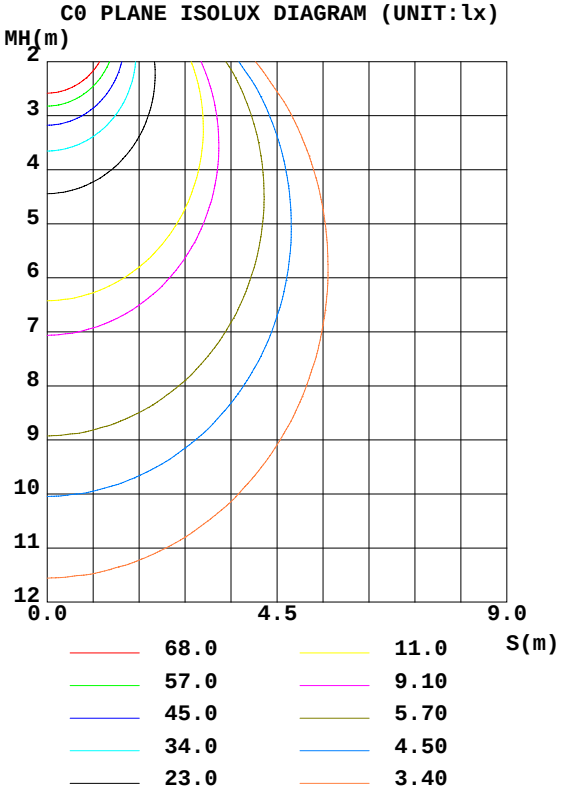
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 89.55 lm/W	
MODEL	ASL-610601	Imax(cd)	455.3	S/MH(C0/180)	1.25
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1307.4	η UP,DN(C0-180)	0.9,50.5
NOMINAL FLUX(lm)	1307.39	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,47.8
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	98.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):110.4 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	442.9	446.2	448.6	448.6	446.3	444.0	442.3	442.1	0- 10	42.91	42.91	3.28,3.28
20	415.8	421.0	425.1	424.5	421.6	416.5	413.4	413.4	10- 20	122.4	165.3	12.6,12.6
30	373.2	381.4	386.8	385.9	381.7	374.8	370.1	370.3	20- 30	184.3	349.6	26.7,26.7
40	319.6	329.1	335.2	335.3	323.6	314.9	309.0	309.5	30- 40	219.2	568.8	43.5,43.5
50	258.0	268.1	275.0	274.5	264.0	254.4	247.7	248.0	40- 50	225.6	794.4	60.8,60.8
60	188.1	200.9	208.4	208.0	198.6	188.2	180.9	181.2	50- 60	204.1	998.5	76.4,76.4
70	116.6	127.4	134.9	134.8	129.7	119.1	111.7	111.7	60- 70	156.5	1155	88.3,88.3
80	51.41	60.59	67.39	67.62	63.46	54.56	48.07	47.48	70- 80	94.55	1250	95.6,95.6
90	9.605	13.45	16.58	16.97	15.28	11.20	8.307	7.997	80- 90	35.17	1285	98.3,98.3
100	1.704	1.968	2.089	1.887	1.871	1.723	1.623	1.474	90-100	5.455	1290	98.7,98.7
110	2.071	2.315	2.014	1.764	1.923	2.764	2.183	1.812	100-110	1.959	1292	98.8,98.8
120	2.759	3.895	2.769	2.690	2.600	4.011	2.979	2.568	110-120	2.550	1295	99,99
130	3.329	4.171	3.362	3.813	3.235	4.611	3.562	3.787	120-130	3.068	1298	99.3,99.3
140	3.863	4.156	3.762	4.557	3.835	4.331	3.834	4.462	130-140	3.071	1301	99.5,99.5
150	4.261	4.272	4.166	4.474	4.238	4.408	4.179	4.367	140-150	2.692	1304	99.7,99.7
160	4.676	4.520	4.540	4.741	4.582	4.568	4.600	4.516	150-160	2.066	1306	99.9,99.9
170	4.831	4.847	4.867	4.878	4.861	4.841	4.850	4.801	160-170	1.334	1307	100,100
180	4.849	4.859	4.879	4.890	4.849	4.853	4.862	4.872	170-180	0.4662	1307	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

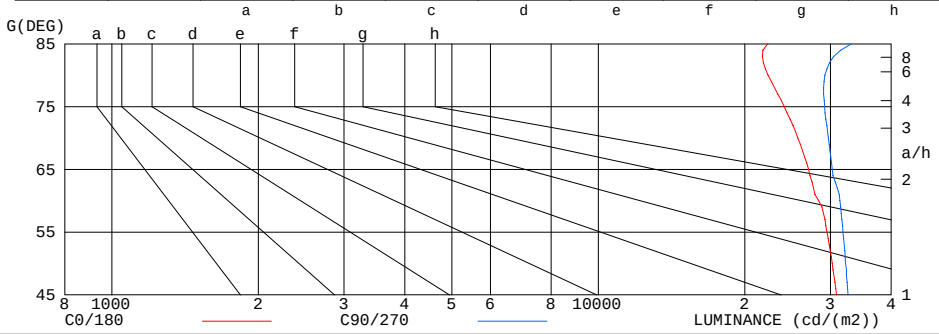
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:3500K**
MFR.: ASL Lighting	**SUR.:**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	22297	33131
80	22324	29225
75	24104	29186
70	25699	29699
65	27038	30264
60	28366	31380
55	29498	31832
50	30262	32214
45	30885	32601

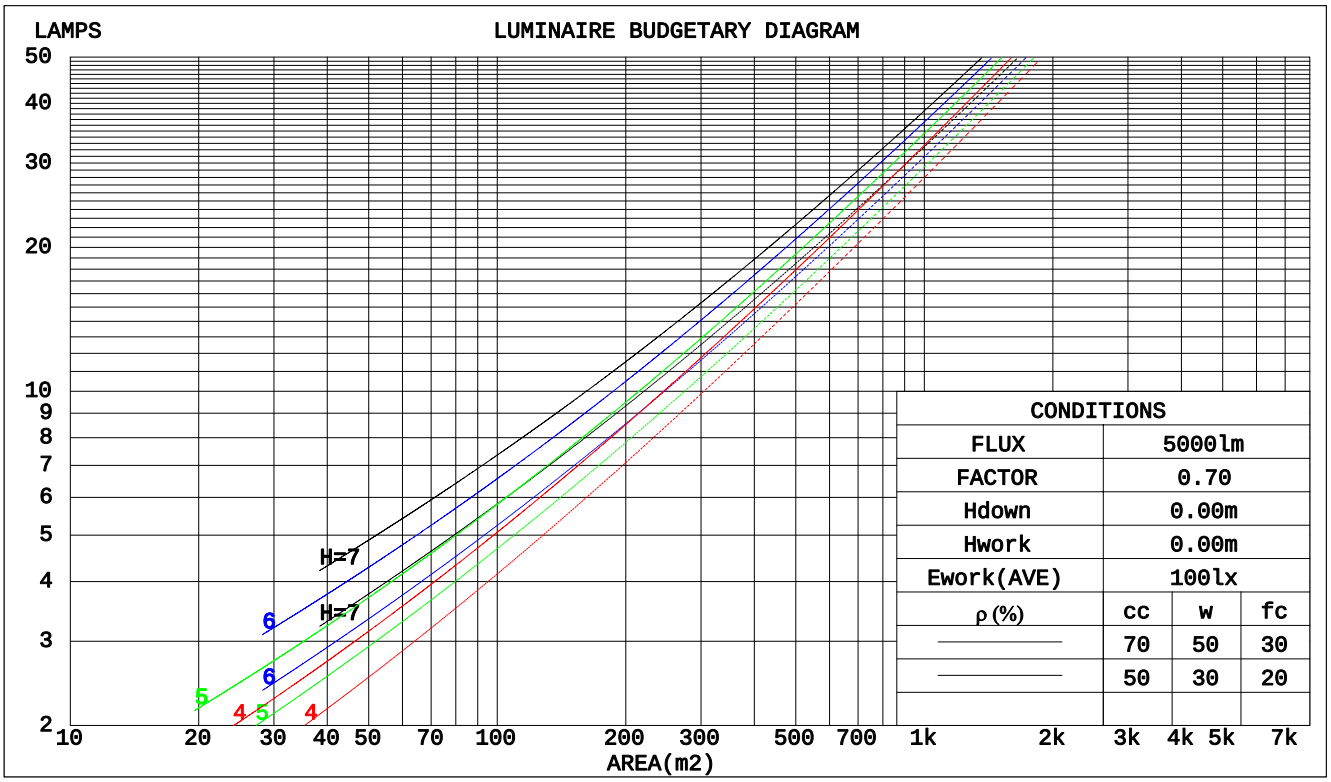
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.31	.26	.36	.30	.25	.35	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.319	.181	.057	.311	.177	.056	.297	.170	.054	.283	.164	.052	.271	.157	.051	
2.0	.296	.162	.050	.289	.159	.049	.276	.154	.048	.265	.149	.046	.254	.144	.045	
3.0	.272	.145	.043	.266	.143	.043	.255	.138	.042	.245	.134	.041	.235	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.194	.101	.030	.187	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.161	.078	.022	.155	.076	.021	.151	.075	.021	.146	.073	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.194	.169	.147	.166	.145	.127	.114	.100	.087	.065	.058	.051	.021	.019	.016	
2.0	.186	.145	.111	.159	.125	.096	.109	.087	.067	.063	.050	.039	.020	.016	.013	
3.0	.178	.128	.087	.153	.110	.076	.105	.077	.053	.061	.045	.031	.019	.015	.010	
4.0	.171	.115	.072	.146	.099	.062	.101	.069	.044	.058	.040	.026	.019	.013	.009	
5.0	.163	.104	.061	.140	.090	.053	.097	.063	.037	.056	.037	.022	.018	.012	.007	
6.0	.156	.096	.053	.134	.083	.046	.092	.058	.032	.054	.034	.019	.017	.011	.006	
7.0	.149	.089	.047	.128	.077	.041	.089	.054	.029	.051	.032	.017	.017	.010	.006	
8.0	.143	.083	.042	.123	.072	.037	.085	.051	.026	.049	.030	.016	.016	.010	.005	
9.0	.137	.078	.039	.118	.068	.034	.081	.048	.024	.047	.028	.014	.015	.009	.005	
10.0	.131	.074	.036	.113	.064	.032	.078	.045	.022	.046	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	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	23.6	25.1	23.9	25.3	25.5	23.9	25.4	24.2	25.6	25.9
3H	25.1	26.5	25.4	26.7	27.0	25.6	26.9	25.9	27.2	27.5
4H	25.7	27.0	26.0	27.3	27.6	26.3	27.6	26.6	27.9	28.2
6H	26.1	27.4	26.5	27.7	28.0	26.9	28.1	27.2	28.4	28.7
8H	26.3	27.5	26.7	27.8	28.1	27.1	28.3	27.5	28.6	29.0
12H	26.4	27.6	26.8	27.9	28.2	27.3	28.5	27.7	28.8	29.2
4H 2H	24.2	25.6	24.6	25.8	26.1	24.5	25.8	24.8	26.1	26.4
3H	25.9	27.1	26.3	27.4	27.8	26.3	27.5	26.7	27.8	28.2
4H	26.7	27.7	27.1	28.1	28.5	27.2	28.3	27.6	28.6	29.0
6H	27.3	28.2	27.7	28.6	29.0	27.9	28.9	28.4	29.3	29.7
8H	27.5	28.4	27.9	28.8	29.2	28.3	29.1	28.7	29.5	30.0
12H	27.7	28.5	28.1	28.9	29.3	28.5	29.4	29.0	29.8	30.2
8H 4H	27.0	27.9	27.5	28.3	28.7	27.5	28.4	27.9	28.8	29.2
6H	27.8	28.5	28.3	29.0	29.4	28.4	29.1	28.9	29.6	30.0
8H	28.1	28.8	28.6	29.2	29.7	28.8	29.5	29.3	29.9	30.4
12H	28.4	29.0	28.9	29.4	30.0	29.2	29.8	29.8	30.3	30.8
12H 4H	27.1	27.9	27.5	28.3	28.7	27.5	28.3	27.9	28.7	29.2
6H	27.9	28.5	28.4	29.0	29.5	28.5	29.1	29.0	29.6	30.1
8H	28.3	28.8	28.8	29.3	29.8	29.0	29.5	29.5	30.0	30.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1307 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.9)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

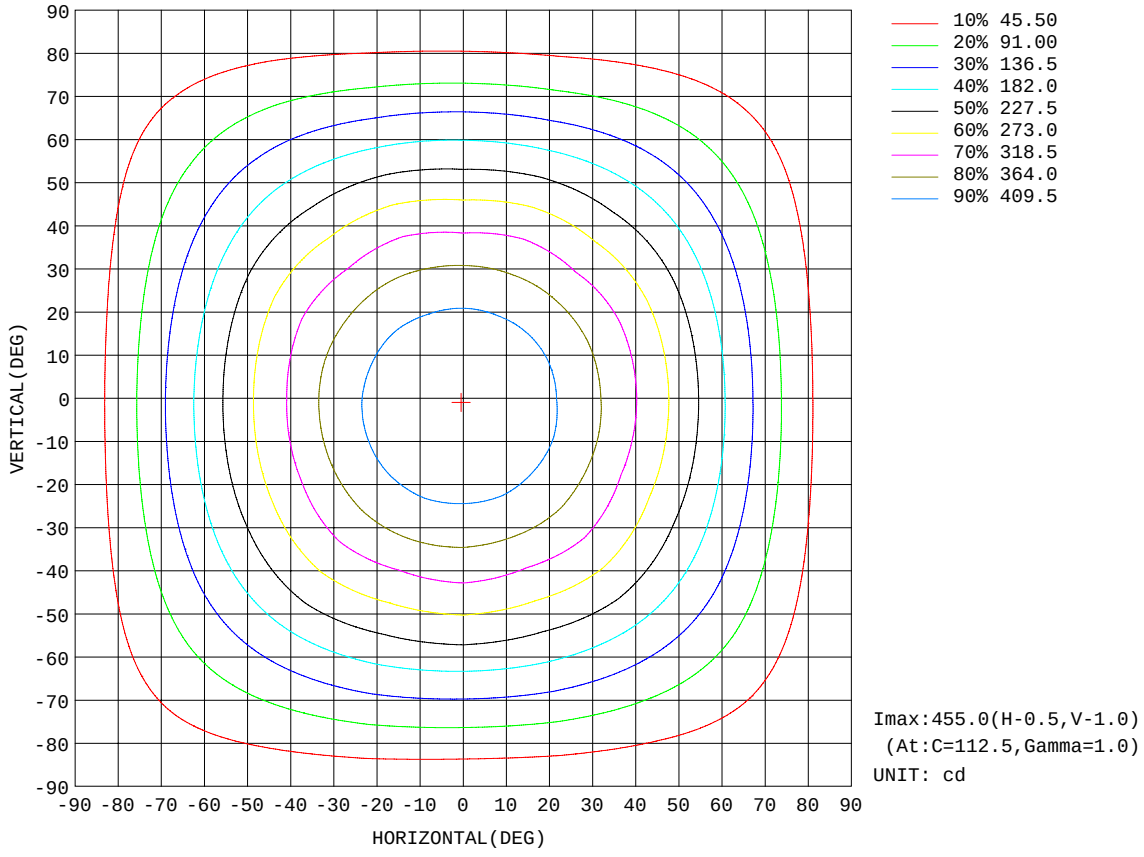
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	56	74	63	56	71	65	56	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	92	86	81	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	97	94	84
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:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	SUR.:	Shielding Angle:



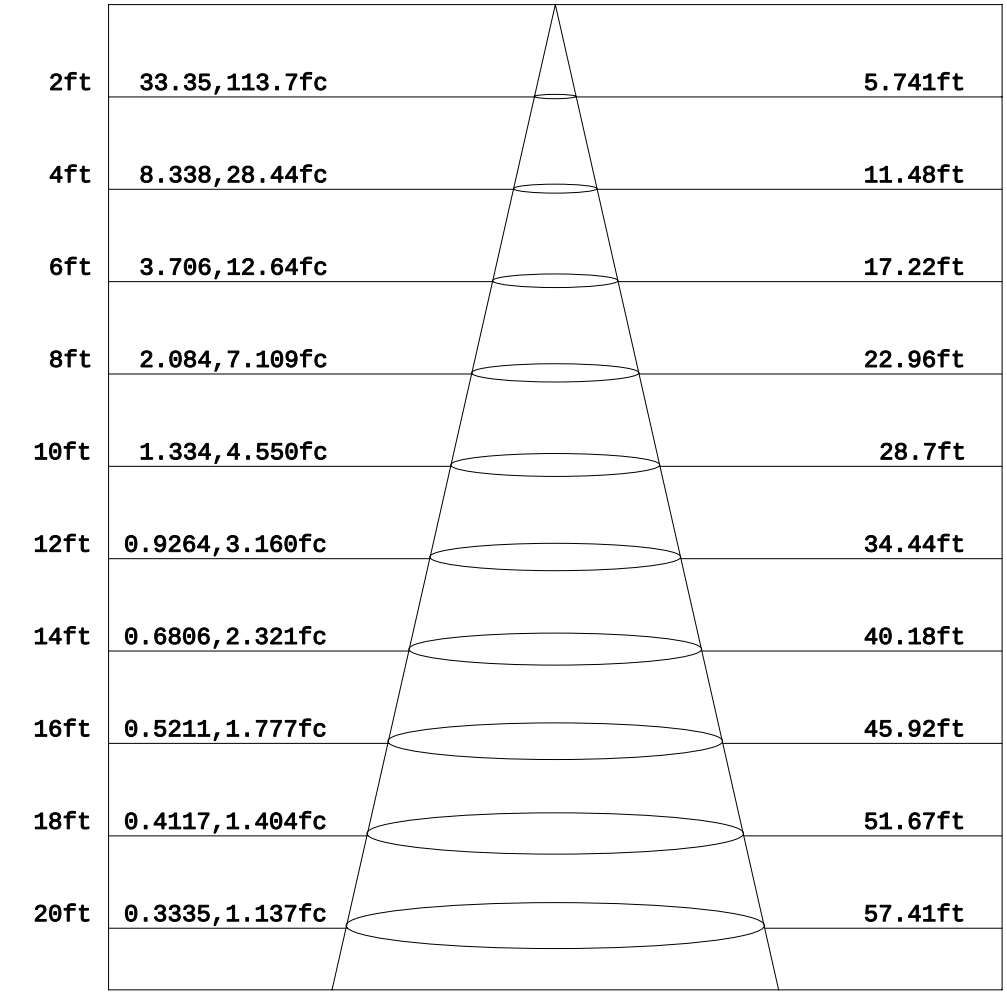
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

Flux out:921.2 lm



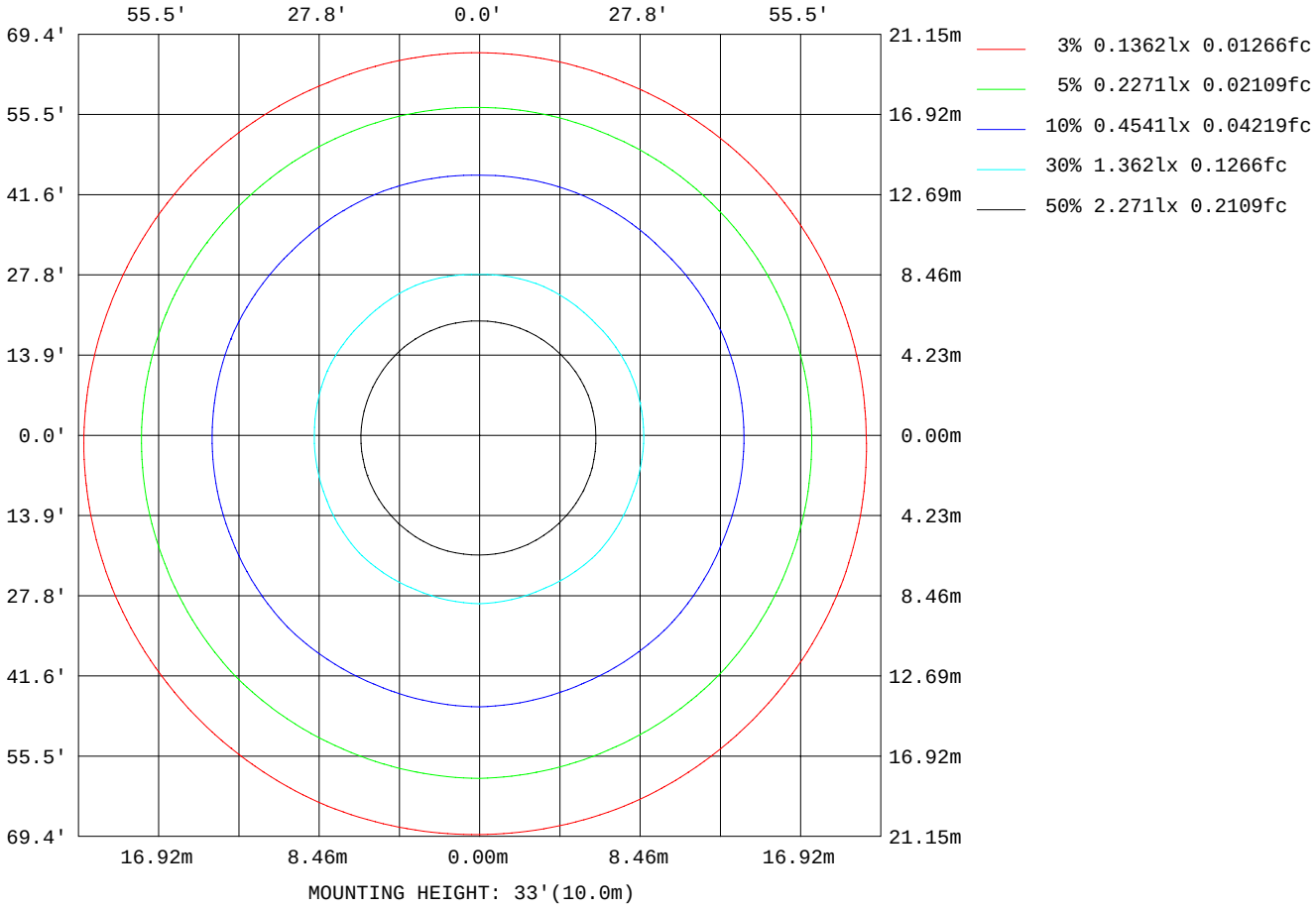
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

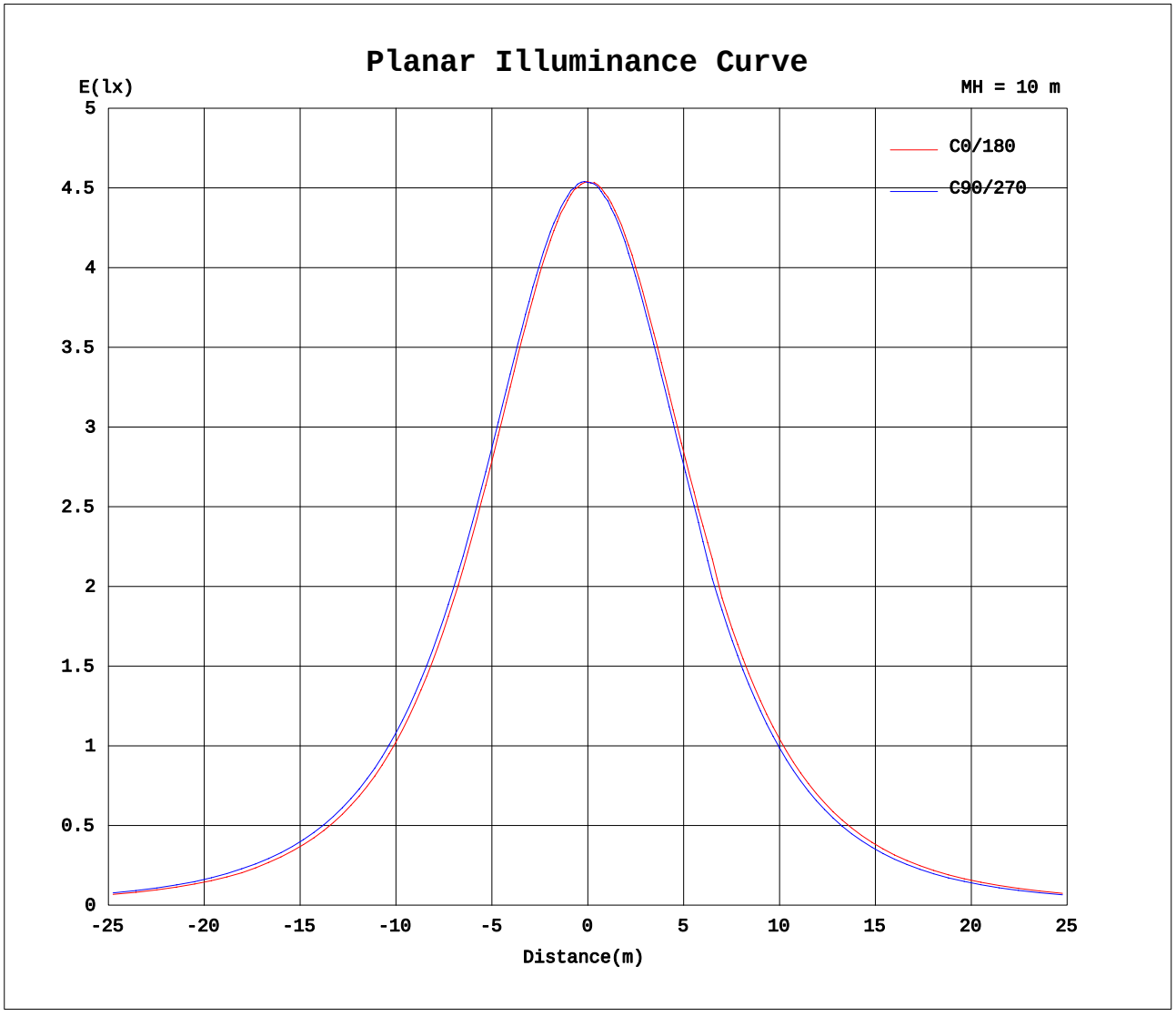
AvgL	cd/m2
L_0~180(65)av	28172
L_0~180(75)av	25959
L_0~180(85)av	26638
L_90~270(65)av	28182
L_90~270(75)av	25998
L_90~270(85)av	26755
L_45(65)av	28187
L_45(75)av	25987
L_45(85)av	26632

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1320A P:14.60W PF:0.9230 Freq:60.00Hz Lamp Flux:1307.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3500K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(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	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454			
5	451	452	452	453	454	455	454	453	452	451	451	450	450	451	451	450			
10	443	445	446	448	449	448	449	446	446	445	444	442	442	442	442	442			
15	431	434	436	438	439	440	439	437	436	434	432	430	430	429	430	430			
20	416	419	421	424	425	426	424	423	422	418	416	414	413	412	413	414			
25	396	400	403	406	408	409	407	405	404	399	397	394	393	391	394	394			
30	373	378	381	385	387	388	386	384	382	377	375	371	370	367	370	371			
35	348	346	357	356	362	362	362	355	351	352	342	344	337	342	337	345			
40	320	319	329	327	335	331	335	326	324	324	315	317	309	313	310	317			
45	290	290	299	299	306	302	305	298	295	294	286	286	279	283	279	287			
50	258	259	268	268	275	272	274	267	264	263	254	254	248	251	248	255			
55	224	226	235	236	242	239	242	235	232	230	222	221	215	217	215	221			
60	188	193	201	202	208	206	208	202	199	196	188	184	181	179	181	184			
65	152	158	162	168	170	172	170	168	164	158	154	148	146	144	146	148			
70	117	123	127	133	135	137	135	133	130	123	119	113	112	109	112	114			
75	82.7	88.9	93.0	98.5	100	103	100	98.6	95.6	89.4	85.6	80.1	78.3	76.1	78.1	79.8			
80	51.4	57.0	60.6	65.7	67.4	69.5	67.6	66.1	63.5	58.1	54.6	49.8	48.1	45.9	47.5	48.8			
85	25.8	30.0	32.8	36.9	38.3	40.3	38.8	37.8	35.8	31.4	28.8	25.0	23.5	21.7	22.8	23.8			
90	9.60	11.9	13.5	15.8	16.6	17.9	17.0	16.4	15.3	12.6	11.2	9.03	8.31	7.40	8.00	8.47			
95	3.04	3.79	4.37	5.23	5.40	5.73	5.23	5.01	4.55	3.70	3.28	2.79	2.54	2.36	2.56	2.69			
100	1.70	1.83	1.97	2.13	2.09	2.05	1.89	1.83	1.87	1.81	1.72	1.87	1.62	1.50	1.47	1.50			
105	1.77	1.99	1.92	1.96	1.72	1.63	1.58	1.67	1.67	2.08	2.01	2.12	1.78	1.66	1.61	1.64			
110	2.07	2.60	2.32	2.19	2.01	1.86	1.76	1.85	1.92	2.90	2.76	2.41	2.18	1.96	1.81	1.83			
115	2.39	3.12	3.18	2.71	2.39	2.17	2.14	2.08	2.21	3.16	3.45	2.96	2.60	2.27	2.12	2.09			
120	2.76	3.52	3.90	3.26	2.77	2.48	2.69	2.44	2.60	3.55	4.01	3.52	2.98	2.55	2.57	2.45			
125	3.05	3.95	4.72	3.58	3.16	2.82	3.25	2.80	2.92	4.38	4.82	3.94	3.32	3.16	3.11	2.75			
130	3.33	4.10	4.17	3.98	3.36	3.30	3.81	3.23	3.24	4.63	4.61	4.74	3.56	3.26	3.79	3.10			
135	3.59	4.13	4.38	4.22	3.88	4.02	4.29	3.74	3.54	4.65	4.76	5.10	3.71	3.81	4.41	3.37			
140	3.86	4.05	4.16	3.99	3.76	4.26	4.56	4.00	3.83	4.66	4.33	4.13	3.83	4.35	4.46	3.72			
145	4.05	4.25	4.43	3.99	3.94	4.55	4.55	4.27	4.01	5.02	4.72	4.17	4.02	4.73	4.39	3.93			
150	4.26	4.36	4.27	4.15	4.17	4.67	4.47	4.43	4.24	4.40	4.41	4.26	4.18	4.88	4.37	4.21			
155	4.47	4.46	4.35	4.33	4.50	4.52	4.66	4.72	4.43	4.58	4.54	4.39	4.77	4.49	4.34	4.27			
160	4.68	4.53	4.52	4.52	4.54	4.59	4.74	4.80	4.58	4.71	4.57	4.55	4.60	4.54	4.52	4.45			
165	4.69	4.71	4.70	4.69	4.72	4.73	4.79	4.85	4.71	4.78	4.72	4.72	4.73	4.68	4.66	4.65			
170	4.83	4.86	4.85	4.84	4.87	4.87	4.88	4.75	4.86	4.75	4.84	4.86	4.85	4.82	4.80	4.76			
175	4.92	4.96	4.95	4.96	4.95	4.97	4.90	4.80	4.96	4.84	4.82	4.93	4.93	4.93	4.91	4.89			
180	4.85	4.86	4.86	4.86	4.88	4.90	4.89	4.88	4.85	4.84	4.85	4.86	4.86	4.89	4.87	4.86			

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C Interval: 22.5DEG
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Operators:
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γ Range: 0 - 180DEG
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