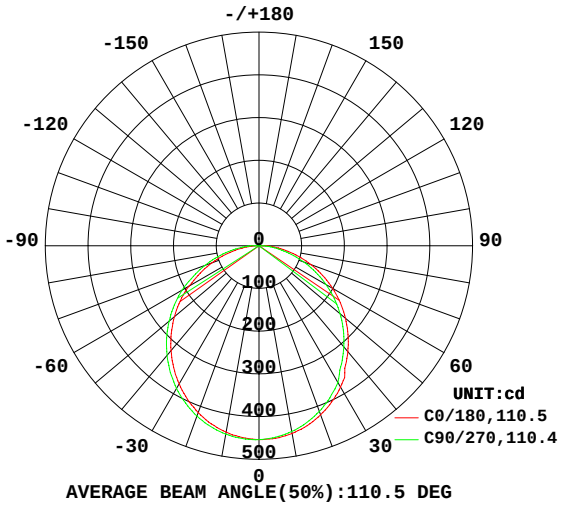
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

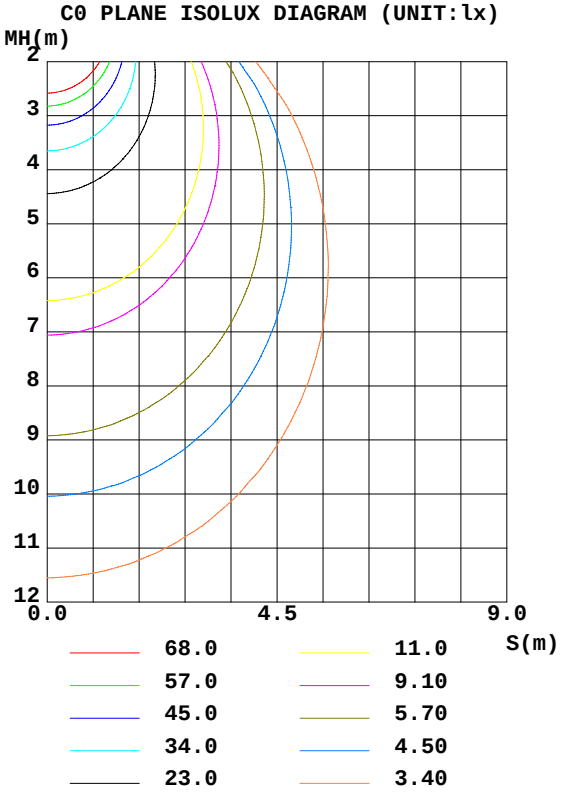
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 88.29 lm/W	
MODEL	ASL-610601	Imax(cd)	454.4	S/MH(C0/180)	1.25
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1306.7	η UP,DN(C0-180)	0.9,50.5
NOMINAL FLUX(lm)	1306.75	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,47.8
LAMPS INSIDE	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%):110.5 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	445.7	447.8	447.5	446.3	443.3	441.5	441.7	0- 10	42.87	42.87	3.28,3.28
20	416.1	420.5	424.1	423.8	421.5	415.7	412.5	413.3	10- 20	122.3	165.2	12.6,12.6
30	373.5	380.0	385.8	385.2	382.0	374.0	369.8	370.2	20- 30	184.2	349.3	26.7,26.7
40	320.2	328.3	334.9	334.2	323.7	314.5	309.1	309.1	30- 40	219.1	568.4	43.5,43.5
50	258.4	267.7	274.4	273.8	264.2	254.2	247.6	248.3	40- 50	225.5	793.9	60.8,60.8
60	188.6	200.6	208.0	207.6	198.6	188.0	180.9	181.3	50- 60	204.1	997.9	76.4,76.4
70	117.0	127.3	134.7	134.5	129.7	119.0	111.8	111.8	60- 70	156.6	1154	88.3,88.3
80	51.72	60.48	67.23	67.21	63.40	54.45	48.14	47.71	70- 80	94.56	1249	95.6,95.6
90	9.624	13.36	16.49	16.81	15.13	11.12	8.250	7.977	80- 90	35.12	1284	98.3,98.3
100	1.705	1.960	2.065	1.885	1.739	1.715	1.592	1.454	90-100	5.409	1290	98.7,98.7
110	2.043	2.289	2.013	1.786	1.925	2.779	2.176	1.787	100-110	1.948	1292	98.8,98.8
120	2.743	3.915	2.780	2.682	2.596	4.042	2.954	2.548	110-120	2.553	1294	99,99
130	3.320	4.179	3.379	3.798	3.232	4.582	3.543	3.771	120-130	3.068	1297	99.3,99.3
140	3.854	4.114	3.743	4.523	3.820	4.327	3.826	4.464	130-140	3.052	1300	99.5,99.5
150	4.252	4.249	4.152	4.464	4.223	4.385	4.183	4.387	140-150	2.681	1303	99.7,99.7
160	4.674	4.497	4.533	4.725	4.574	4.563	4.587	4.506	150-160	2.062	1305	99.9,99.9
170	4.834	4.853	4.866	4.879	4.847	4.836	4.831	4.803	160-170	1.332	1306	100,100
180	4.864	4.848	4.878	4.885	4.853	4.848	4.872	4.868	170-180	0.4660	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

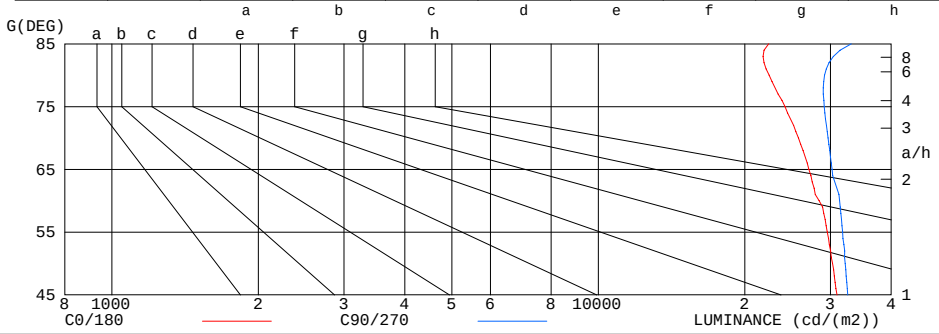
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:4000K**
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	22400	33100
80	22445	29166
75	24187	29138
70	25784	29668
65	27087	30230
60	28429	31329
55	29542	31779
50	30294	32159
45	30942	32559

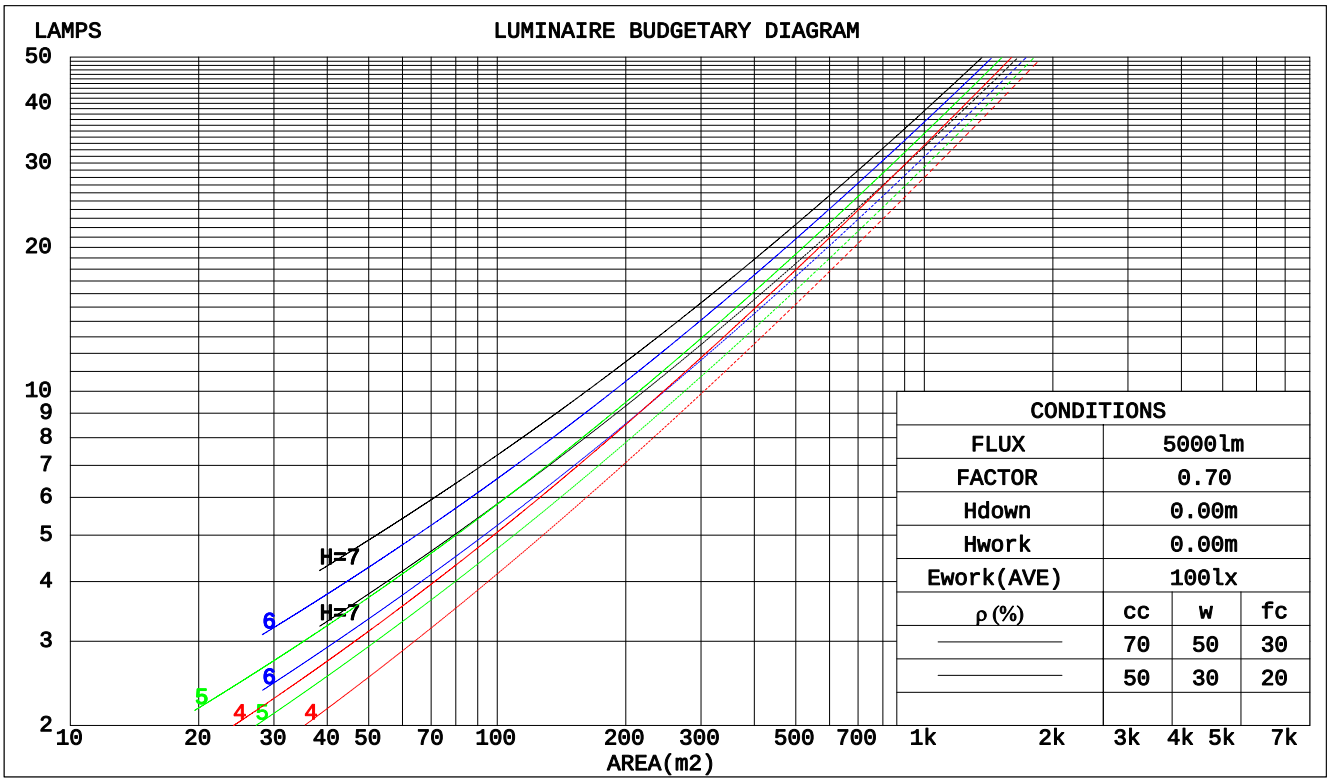
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
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	.30	.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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
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	.284	.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	.155	.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	.126	.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	.136	.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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
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	25.6	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	28.2	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	29.1
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	27.8	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	29.4	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	29.5	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	28.6	28.4	29.0	29.5	28.5	29.1	29.0	29.6	30.1
8H	28.3	28.9	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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

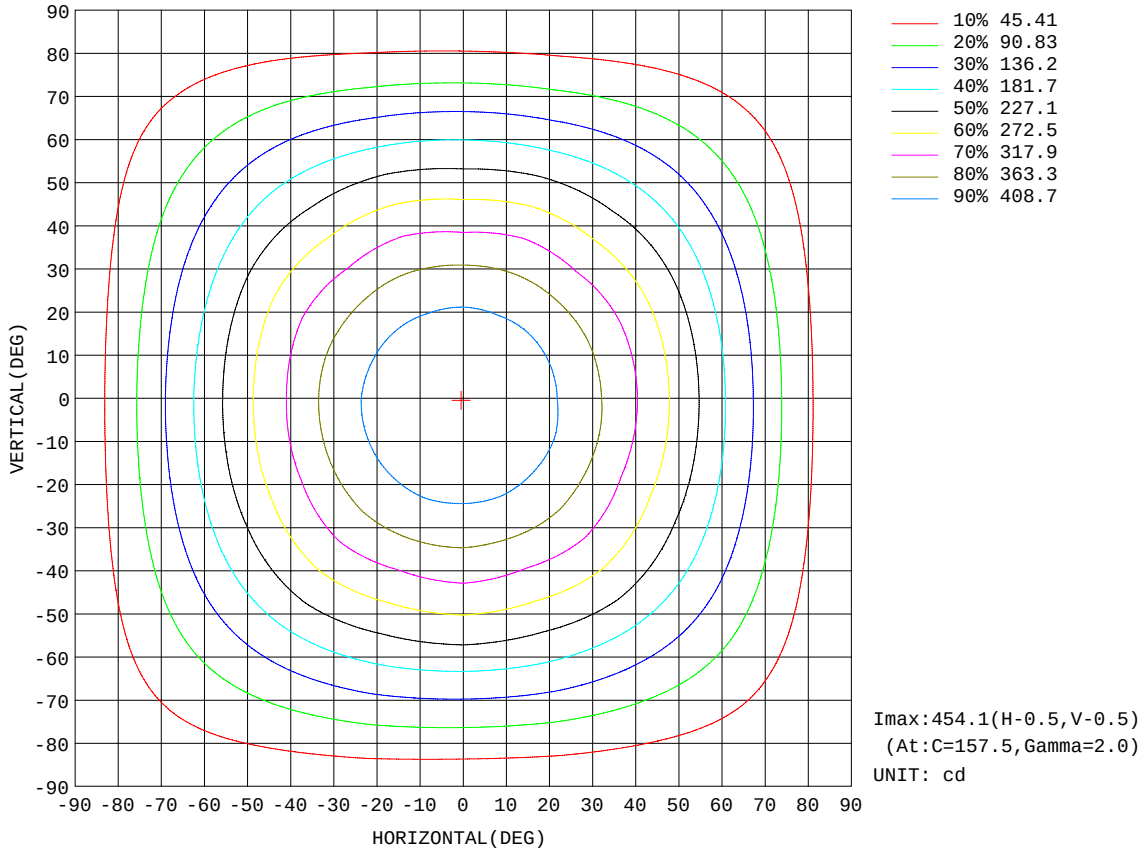
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	71	64	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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:



Imax:454.1(H-0.5,V-0.5)
(At:C=157.5,Gamma=2.0)
UNIT: cd

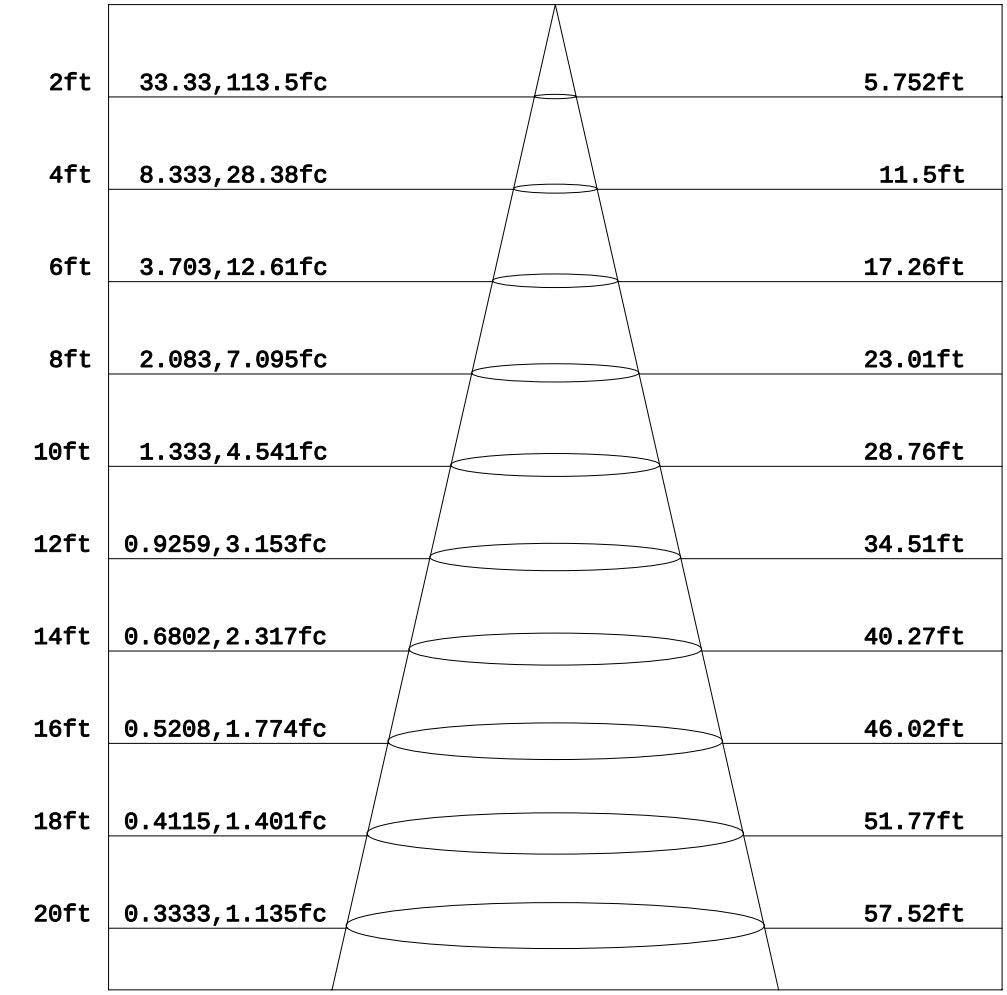
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

Flux out:920.6 lm



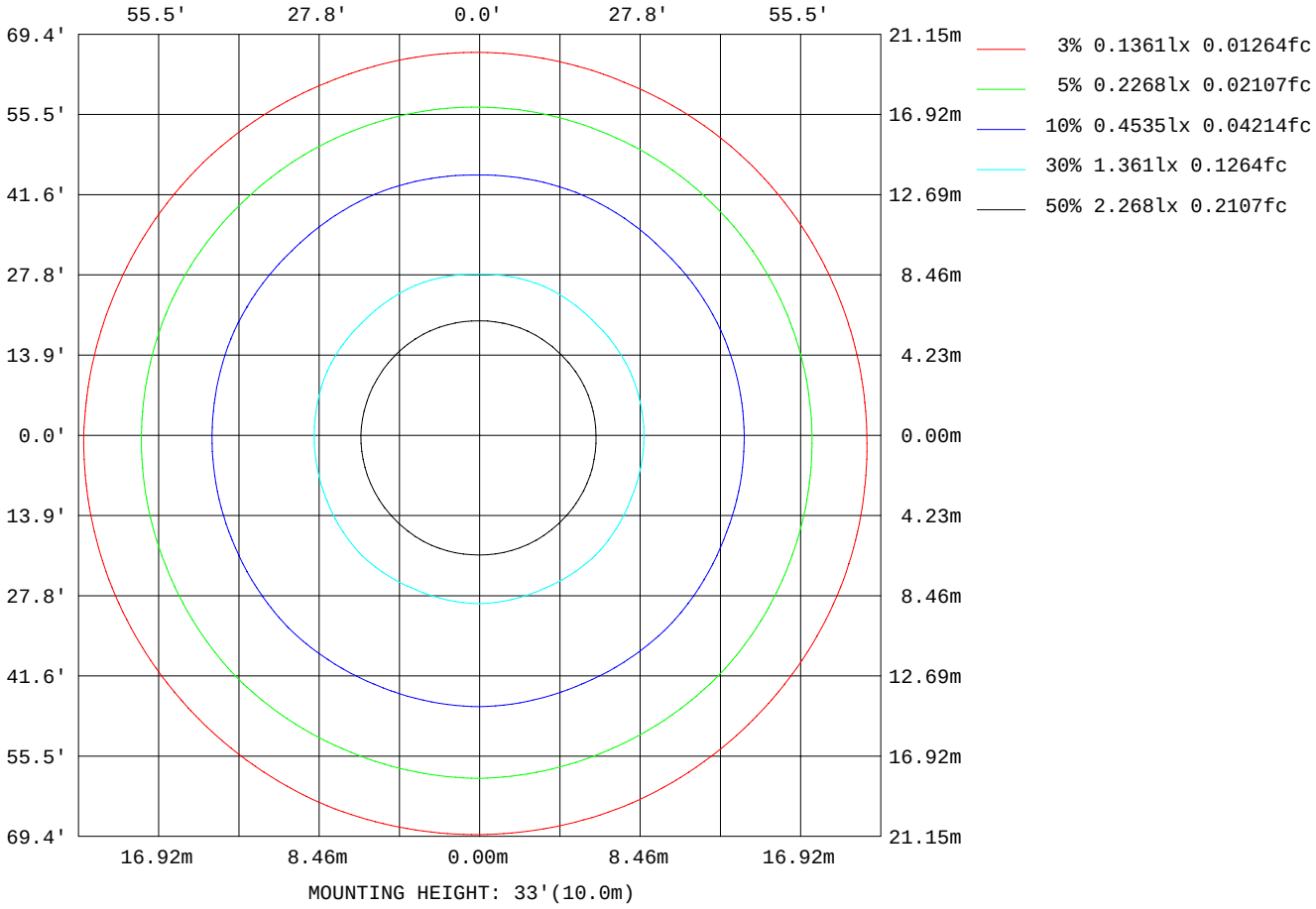
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

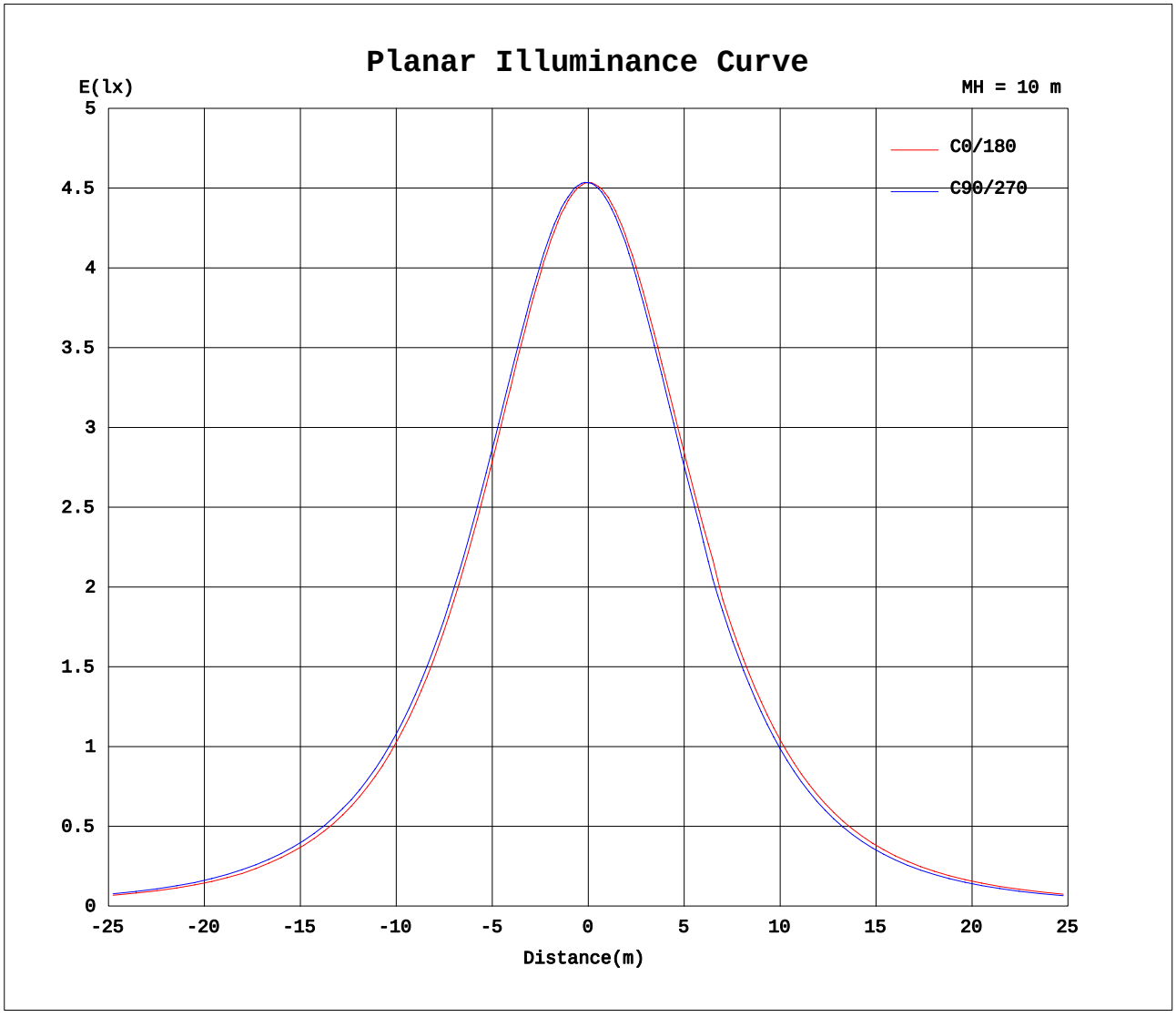
AvgL	cd/m2
L_0~180(65)av	28202
L_0~180(75)av	26009
L_0~180(85)av	26605
L_90~270(65)av	28184
L_90~270(75)av	25990
L_90~270(85)av	26722
L_45(65)av	28170
L_45(75)av	25961
L_45(85)av	26564

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:0.1340A P:14.80W PF:0.9170 Freq:60.00Hz Lamp Flux:1306.75x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:4000K
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	453	453	453	453	452	451	450	450	450	449	450	450			
10	443	445	446	447	448	448	448	447	446	444	443	442	442	441	442	443			
15	432	434	436	438	438	439	438	437	436	433	431	429	429	428	429	430			
20	416	420	421	424	424	426	424	423	422	418	416	413	413	411	413	415			
25	397	401	402	406	406	408	406	406	403	399	397	393	393	392	393	394			
30	373	378	380	385	386	387	385	384	382	377	374	371	370	368	370	372			
35	348	347	356	356	362	360	361	355	350	352	342	344	337	342	337	346			
40	320	320	328	327	335	330	334	326	324	324	314	316	309	313	309	317			
45	290	290	299	298	306	301	305	298	295	295	285	286	279	283	280	287			
50	258	259	268	268	274	271	274	267	264	263	254	254	248	251	248	256			
55	225	227	235	236	242	239	241	235	232	230	222	221	215	217	215	222			
60	189	193	201	202	208	206	208	202	199	196	188	184	181	179	181	185			
65	152	158	162	168	170	172	169	168	164	158	154	148	147	144	147	149			
70	117	123	127	133	135	137	134	133	130	123	119	114	112	110	112	114			
75	83.1	89.2	93.0	98.5	100	102	100.0	98.4	95.6	89.5	85.3	80.2	78.4	76.2	78.3	80.1			
80	51.7	57.2	60.5	65.7	67.2	69.2	67.2	66.0	63.4	57.9	54.5	49.8	48.1	46.1	47.7	49.1			
85	25.9	30.2	32.8	37.0	38.3	40.1	38.6	37.7	35.6	31.4	28.6	24.9	23.5	21.8	22.9	23.9			
90	9.62	11.9	13.4	15.8	16.5	17.7	16.8	16.3	15.1	12.5	11.1	8.97	8.25	7.40	7.98	8.50			
95	3.00	3.75	4.30	5.19	5.32	5.64	5.16	4.96	4.45	3.66	3.24	2.76	2.53	2.34	2.53	2.65			
100	1.71	1.82	1.96	2.11	2.06	2.03	1.88	1.82	1.74	1.82	1.71	1.86	1.59	1.48	1.45	1.50			
105	1.75	1.98	1.89	1.95	1.72	1.65	1.57	1.68	1.69	2.10	1.99	2.11	1.77	1.64	1.59	1.62			
110	2.04	2.61	2.29	2.18	2.01	1.88	1.79	1.88	1.93	2.95	2.78	2.38	2.18	1.98	1.79	1.82			
115	2.42	3.14	3.18	2.70	2.39	2.18	2.14	2.09	2.22	3.15	3.48	2.93	2.57	2.28	2.12	2.07			
120	2.74	3.55	3.92	3.27	2.78	2.48	2.68	2.44	2.60	3.59	4.04	3.50	2.95	2.56	2.55	2.45			
125	3.04	3.90	4.63	3.58	3.12	2.82	3.25	2.80	2.91	4.23	4.88	3.93	3.30	3.14	3.09	2.75			
130	3.32	4.12	4.18	3.86	3.38	3.27	3.80	3.24	3.23	4.87	4.58	4.47	3.54	3.27	3.77	3.08			
135	3.57	4.06	4.49	4.01	3.77	3.91	4.27	3.76	3.53	4.42	4.88	4.68	3.69	3.80	4.39	3.37			
140	3.85	4.05	4.11	3.96	3.74	4.27	4.52	3.99	3.82	4.85	4.33	4.12	3.83	4.32	4.46	3.71			
145	4.06	4.22	4.42	3.98	3.93	4.54	4.52	4.23	4.02	4.72	4.82	4.15	4.02	4.69	4.39	3.92			
150	4.25	4.34	4.25	4.13	4.15	4.62	4.46	4.43	4.22	4.41	4.39	4.25	4.18	4.79	4.39	4.21			
155	4.46	4.46	4.33	4.32	4.53	4.52	4.62	4.71	4.43	4.58	4.49	4.39	4.87	4.48	4.34	4.28			
160	4.67	4.54	4.50	4.51	4.53	4.58	4.73	4.81	4.57	4.70	4.56	4.55	4.59	4.51	4.51	4.45			
165	4.70	4.72	4.68	4.69	4.72	4.73	4.79	4.86	4.69	4.80	4.70	4.71	4.72	4.66	4.67	4.64			
170	4.83	4.86	4.85	4.86	4.87	4.88	4.88	4.74	4.85	4.75	4.84	4.85	4.83	4.83	4.80	4.76			
175	4.93	4.95	4.93	4.96	4.95	4.95	4.87	4.83	4.95	4.83	4.82	4.91	4.93	4.92	4.90	4.87			
180	4.86	4.85	4.85	4.85	4.88	4.89	4.89	4.88	4.85	4.86	4.85	4.86	4.87	4.88	4.87	4.87			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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