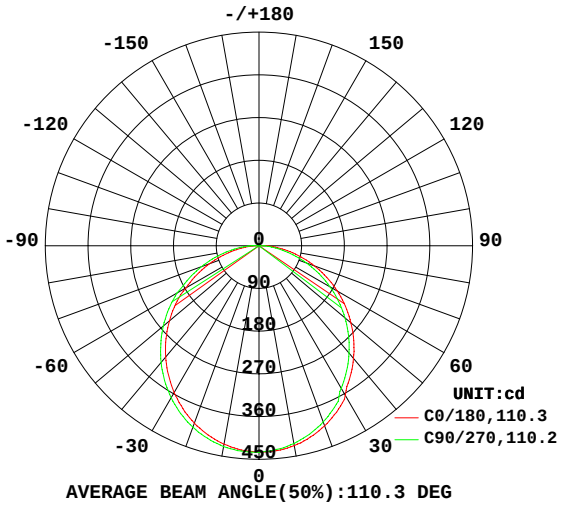
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

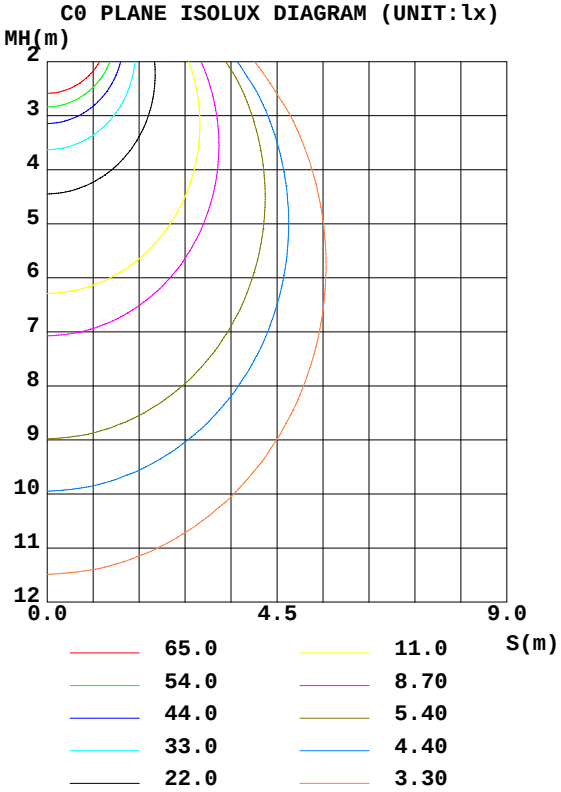
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 84.49 lm/W	
MODEL	ASL-610601	Imax(cd)	435.8	S/MH(C0/180)	1.24
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1250.5	η UP,DN(C0-180)	0.9,50.5
NOMINAL FLUX(lm)	1250.49	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,47.7
LAMPS INSIDE	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%):110.3 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	424.6	427.9	429.7	429.2	427.6	425.4	423.3	423.0	0- 10	41.11	41.11	3.29,3.29
20	398.0	403.8	406.9	407.1	404.0	399.4	395.2	395.3	10- 20	117.3	158.4	12.7,12.7
30	357.4	365.0	369.9	369.6	363.6	351.3	346.6	347.0	20- 30	176.4	334.8	26.8,26.8
40	305.9	315.3	320.6	320.7	309.9	301.5	295.2	295.6	30- 40	209.3	544.1	43.5,43.5
50	246.2	256.8	263.4	263.1	253.0	243.5	236.6	236.9	40- 50	215.9	760.0	60.8,60.8
60	177.7	190.3	199.5	199.5	190.4	180.1	172.6	172.7	50- 60	195.1	955.1	76.4,76.4
70	111.2	121.7	129.0	129.1	124.4	114.0	106.4	106.4	60- 70	149.5	1105	88.3,88.3
80	48.91	57.72	64.54	64.87	60.99	52.23	45.71	45.18	70- 80	90.40	1195	95.6,95.6
90	9.179	12.94	16.05	16.33	14.80	10.82	7.954	7.625	80- 90	33.67	1229	98.3,98.3
100	1.626	1.867	1.974	1.785	1.660	1.651	1.555	1.419	90-100	5.262	1234	98.7,98.7
110	1.999	2.202	1.887	1.674	1.828	2.615	2.102	1.740	100-110	1.862	1236	98.8,98.8
120	2.639	3.670	2.641	2.588	2.487	3.779	2.880	2.465	110-120	2.430	1238	99,99
130	3.203	3.992	3.181	3.680	3.092	4.470	3.386	3.624	120-130	2.940	1241	99.3,99.3
140	3.695	4.027	3.568	4.370	3.667	4.135	3.663	4.275	130-140	2.962	1244	99.5,99.5
150	4.081	4.106	3.983	4.294	4.059	4.229	4.013	4.175	140-150	2.587	1247	99.7,99.7
160	4.473	4.318	4.333	4.537	4.384	4.378	4.405	4.318	150-160	1.978	1249	99.9,99.9
170	4.627	4.662	4.678	4.685	4.652	4.633	4.625	4.608	160-170	1.277	1250	100,100
180	4.651	4.663	4.696	4.685	4.663	4.663	4.666	4.662	170-180	0.4470	1250	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

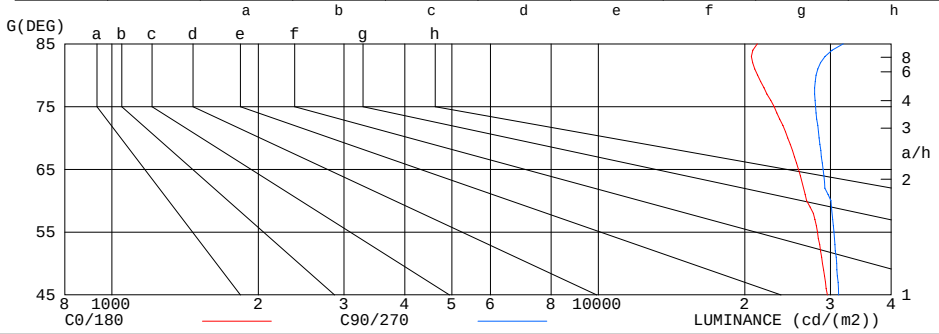
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:10.400m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:3000K**
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	21222	31875
80	21248	28021
75	22972	27954
70	24517	28433
65	25792	28974
60	26809	30075
55	28220	30503
50	28889	30894
45	29565	31197

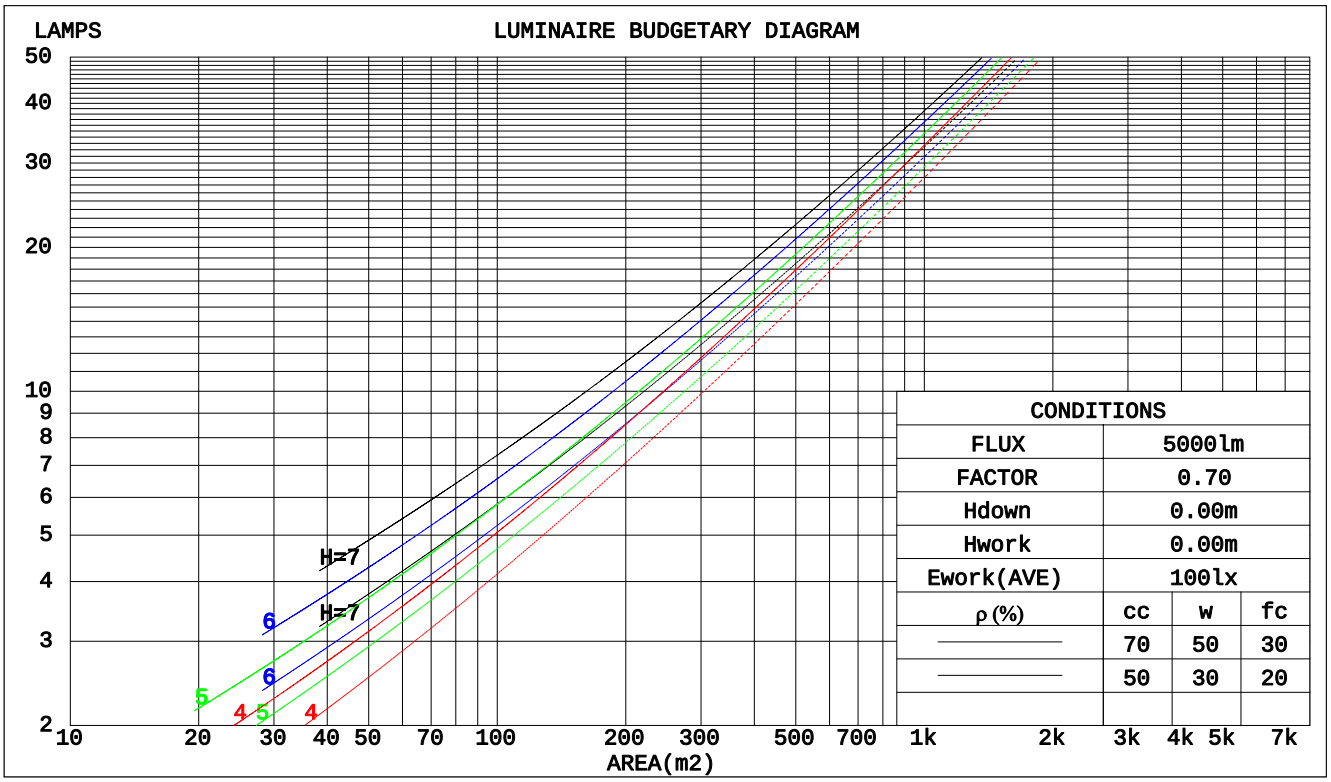
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
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	.53	.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	.38	.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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
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	.163	.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	.025	.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	.150	.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	.088	.065	.058	.051	.021	.019	.016	
2.0	.186	.145	.111	.160	.125	.096	.109	.087	.067	.063	.050	.039	.020	.016	.013	
3.0	.178	.128	.088	.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	.093	.058	.033	.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	.082	.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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
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	23.8	25.3	25.5	23.9	25.4	24.2	25.6	25.9
3H	25.1	26.4	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	26.6	27.8	28.1	27.1	28.3	27.5	28.6	29.0
12H	26.4	27.5	26.8	27.9	28.2	27.3	28.5	27.7	28.8	29.2
4H 2H	24.2	25.5	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	27.7	26.3	27.5	26.7	27.8	28.2
4H	26.7	27.7	27.1	28.1	28.4	27.2	28.3	27.6	28.6	29.0
6H	27.3	28.2	27.7	28.6	29.0	28.0	28.9	28.4	29.3	29.7
8H	27.5	28.4	27.9	28.8	29.2	28.3	29.2	28.7	29.5	30.0
12H	27.6	28.5	28.1	28.9	29.3	28.6	29.4	29.0	29.8	30.2
8H 4H	27.0	27.9	27.4	28.3	28.7	27.5	28.4	27.9	28.8	29.2
6H	27.8	28.5	28.2	28.9	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	30.0	30.4
12H	28.4	28.9	28.9	29.4	29.9	29.3	29.8	29.8	30.3	30.8
12H 4H	27.0	27.8	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, 1250 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.8)

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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

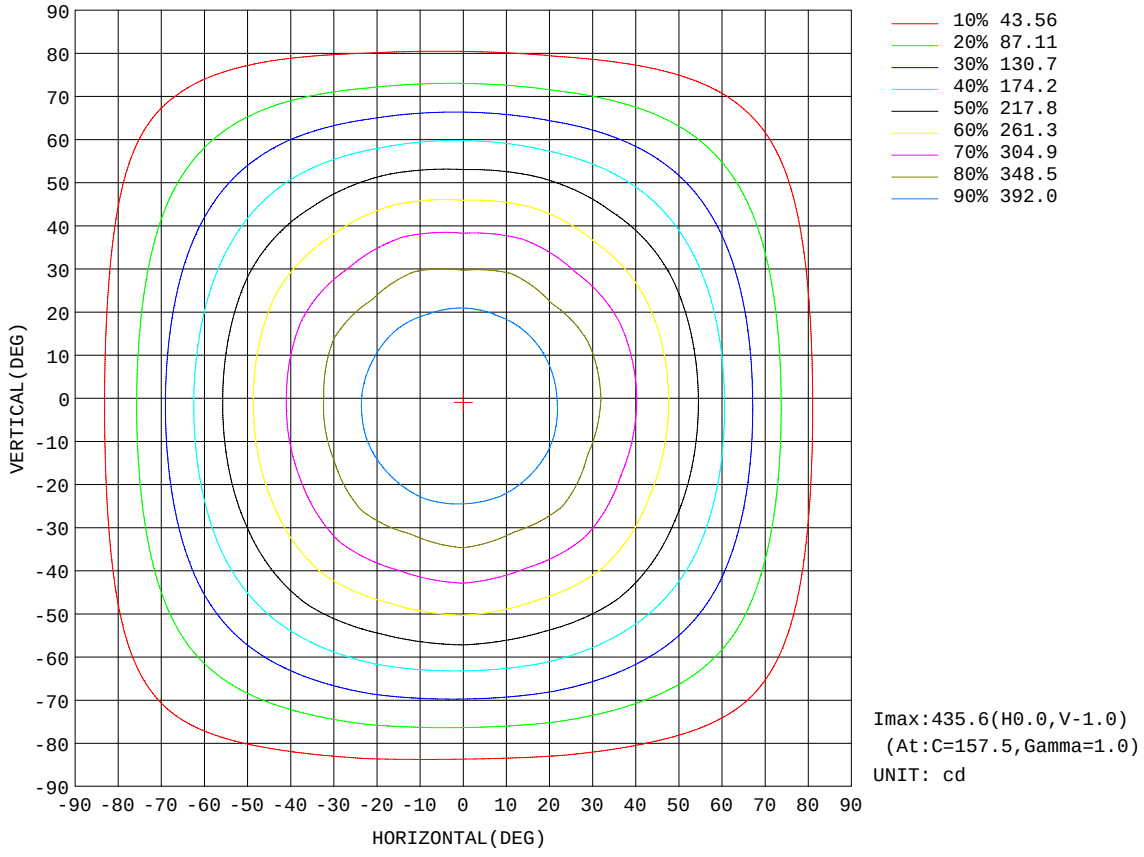
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
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	97	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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:



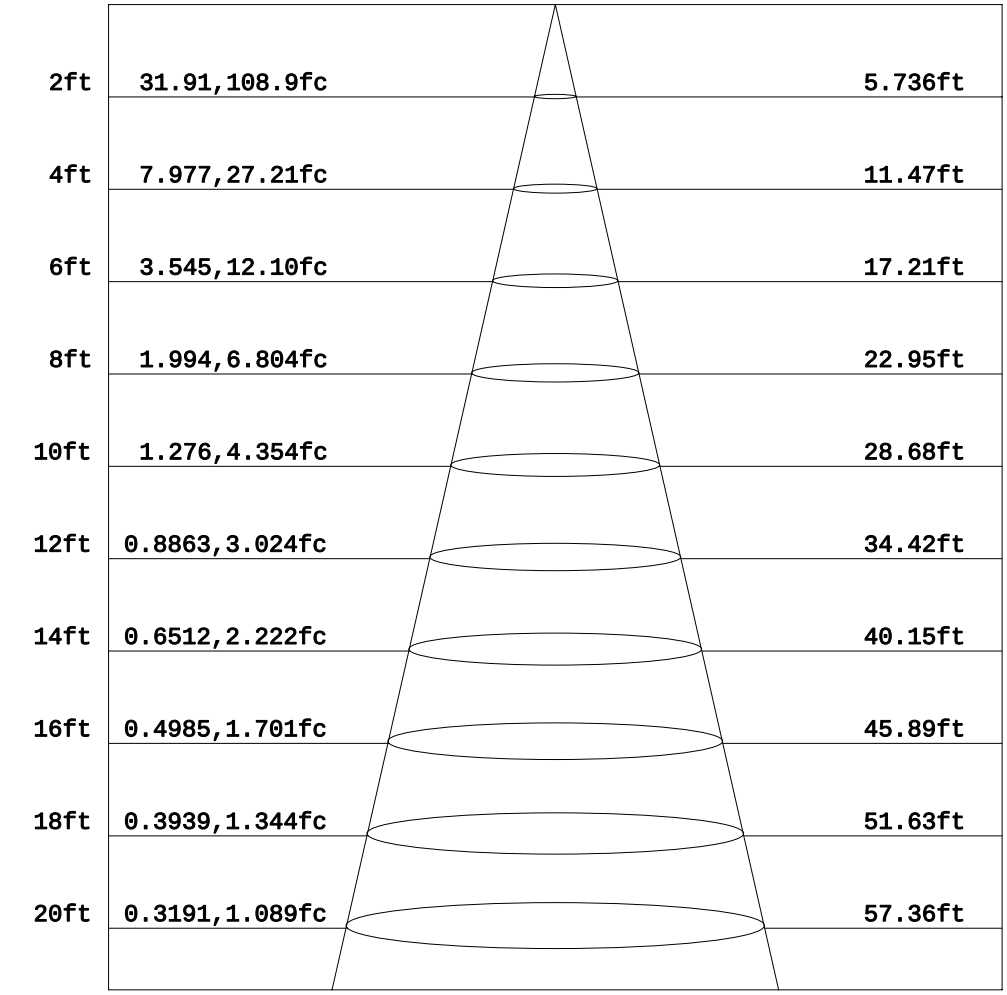
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-10-27

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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

Flux out:881.3 lm



Height Eavg,Emax Angle:110.22deg Diameter

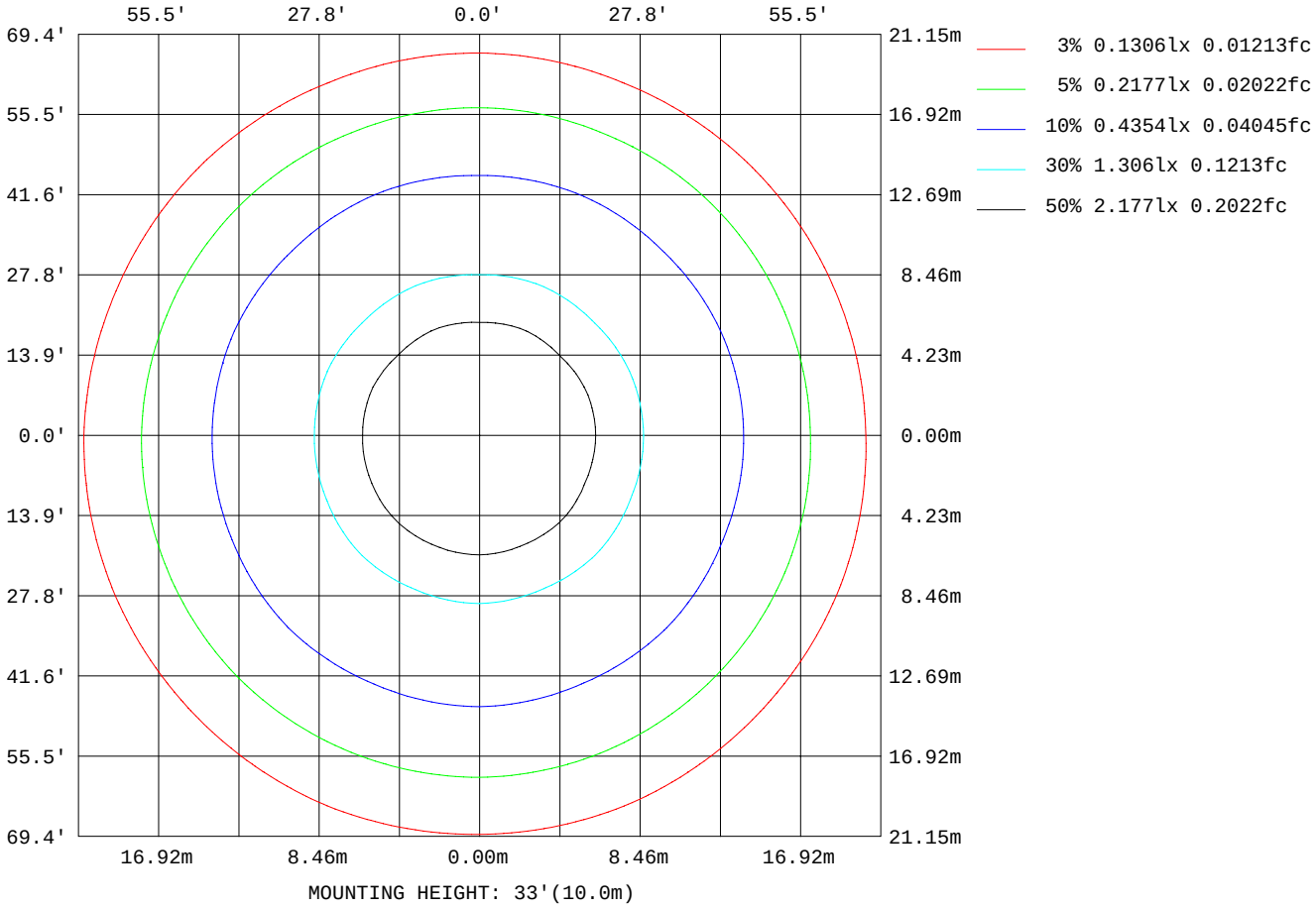
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
MFR.: ASL Lighting	SUR.:	Shielding Angle:

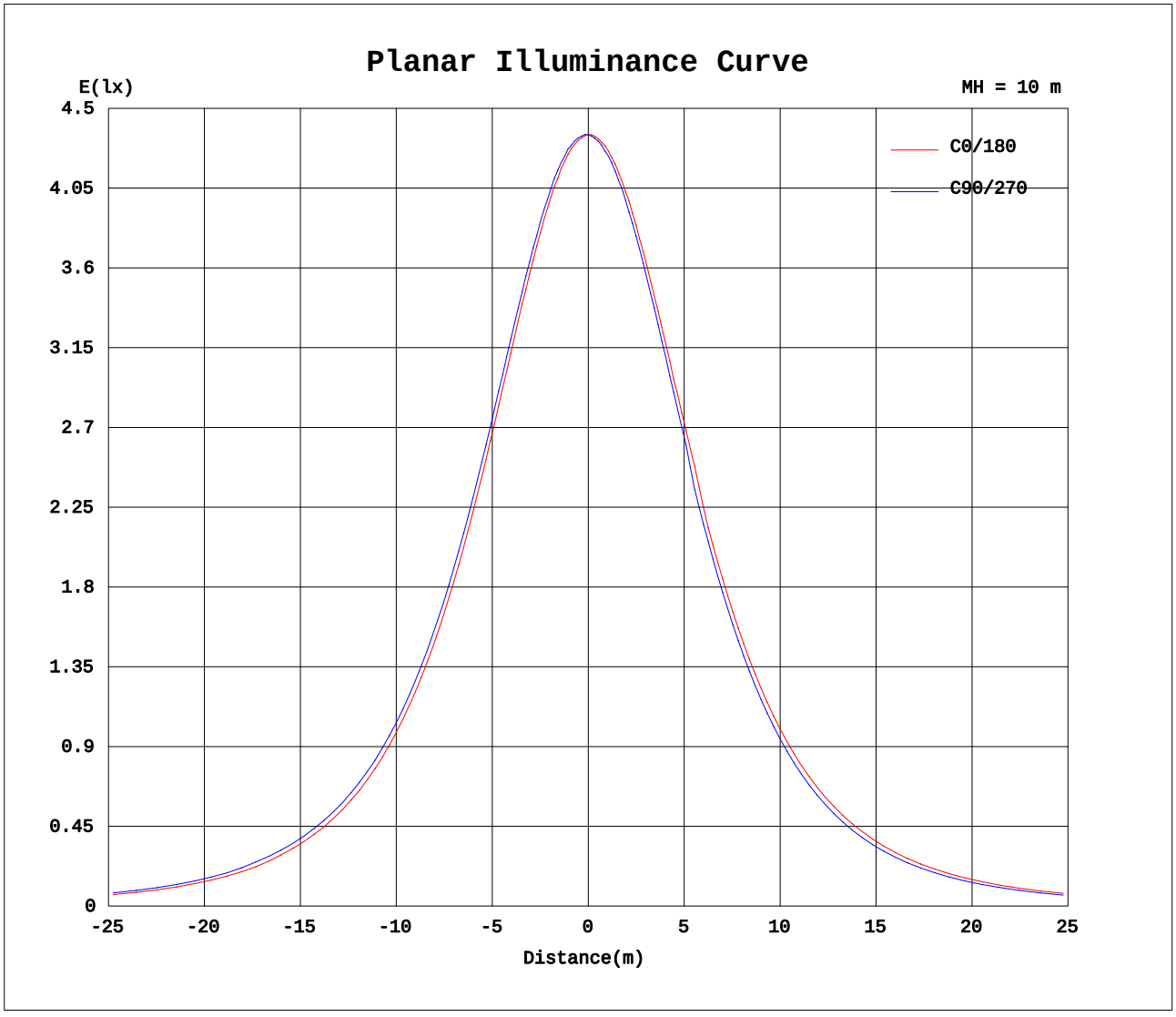
AvgL	cd/m2
L_0~180(65)av	26928
L_0~180(75)av	24822
L_0~180(85)av	25472
L_90~270(65)av	26922
L_90~270(75)av	24842
L_90~270(85)av	25664
L_45(65)av	26946
L_45(75)av	24841
L_45(85)av	25472

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:0.1350A P:14.80W PF:0.9150 Freq:60.00Hz Lamp Flux:1250.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:3000K
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	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435			
5	432	433	434	434	434	435	434	434	433	433	432	432	431	431	432	432			
10	425	426	428	429	430	430	429	429	428	427	425	424	423	422	423	424			
15	413	416	418	420	420	422	420	420	417	416	414	412	411	410	411	413			
20	398	402	404	407	407	408	407	406	404	401	399	396	395	394	395	397			
25	379	384	386	389	390	391	390	389	387	383	380	377	376	374	376	378			
30	357	359	365	369	370	372	370	369	364	361	351	355	347	352	347	356			
35	333	332	341	339	347	342	346	338	336	338	328	330	322	327	322	331			
40	306	306	315	314	321	317	321	313	310	311	302	303	295	300	296	304			
45	277	278	287	286	293	289	292	286	282	282	273	274	267	270	267	275			
50	246	248	257	257	263	260	263	256	253	253	244	243	237	239	237	244			
55	215	217	225	226	232	229	232	226	222	221	212	211	205	207	205	212			
60	178	184	190	194	199	198	199	194	190	186	180	174	173	170	173	175			
65	144	151	155	161	162	165	163	161	158	151	147	141	140	137	140	142			
70	111	118	122	127	129	131	129	127	124	118	114	108	106	104	106	108			
75	78.8	85.0	88.9	94.4	96.0	98.4	96.2	94.7	91.7	85.8	81.9	76.5	74.7	72.4	74.3	75.9			
80	48.9	54.5	57.7	63.0	64.5	66.7	64.9	63.5	61.0	55.6	52.2	47.5	45.7	43.7	45.2	46.4			
85	24.5	28.8	31.3	35.5	36.9	38.7	37.2	36.4	34.4	30.2	27.6	23.9	22.5	20.7	21.7	22.6			
90	9.18	11.5	12.9	15.4	16.0	17.3	16.3	15.9	14.8	12.2	10.8	8.68	7.95	7.06	7.62	8.10			
95	2.89	3.66	4.21	5.09	5.22	5.55	5.05	4.87	4.40	3.60	3.20	2.69	2.47	2.25	2.44	2.56			
100	1.63	1.73	1.87	2.02	1.97	1.94	1.78	1.72	1.66	1.73	1.65	1.80	1.56	1.50	1.42	1.45			
105	1.70	1.90	1.82	1.84	1.62	1.52	1.47	1.58	1.60	1.98	1.92	2.03	1.70	1.60	1.55	1.60			
110	2.00	2.46	2.20	2.07	1.89	1.76	1.67	1.75	1.83	2.74	2.62	2.30	2.10	1.88	1.74	1.78			
115	2.29	2.96	3.00	2.58	2.27	2.07	2.04	1.99	2.13	2.97	3.26	2.84	2.50	2.16	2.04	2.01			
120	2.64	3.35	3.67	3.13	2.64	2.37	2.59	2.35	2.49	3.36	3.78	3.39	2.88	2.46	2.47	2.37			
125	2.92	3.77	5.14	3.43	3.05	2.70	3.13	2.71	2.81	4.48	4.52	3.79	3.18	3.10	3.00	2.64			
130	3.20	3.91	3.99	3.91	3.18	3.21	3.68	3.11	3.09	4.12	4.47	4.83	3.39	3.15	3.62	2.98			
135	3.43	4.07	4.03	4.27	3.77	3.94	4.15	3.60	3.38	4.75	4.35	5.46	3.55	3.66	4.25	3.24			
140	3.70	3.88	4.03	3.87	3.57	4.08	4.37	3.85	3.67	4.19	4.13	4.00	3.66	4.20	4.28	3.56			
145	3.92	4.08	4.10	3.82	3.76	4.37	4.36	4.14	3.86	5.22	4.39	4.00	3.87	4.55	4.20	3.78			
150	4.08	4.17	4.11	3.96	3.98	4.54	4.29	4.25	4.06	4.23	4.23	4.08	4.01	4.77	4.17	4.02			
155	4.29	4.28	4.16	4.14	4.26	4.32	4.43	4.53	4.23	4.39	4.40	4.21	4.43	4.31	4.16	4.09			
160	4.47	4.35	4.32	4.31	4.33	4.39	4.54	4.61	4.38	4.51	4.38	4.39	4.41	4.36	4.32	4.27			
165	4.50	4.50	4.48	4.49	4.51	4.54	4.59	4.67	4.50	4.59	4.50	4.52	4.52	4.47	4.47	4.44			
170	4.63	4.65	4.66	4.65	4.68	4.69	4.69	4.56	4.65	4.56	4.63	4.65	4.62	4.63	4.61	4.57			
175	4.72	4.74	4.75	4.75	4.74	4.74	4.68	4.63	4.75	4.63	4.65	4.71	4.73	4.71	4.70	4.68			
180	4.65	4.66	4.66	4.66	4.70	4.70	4.69	4.68	4.66	4.65	4.66	4.67	4.67	4.68	4.66	4.66			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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Operators:
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γ Range: 0 - 180DEG
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