

### Luminaire Photograph



Light Output Ratio:	82.4%	
Luminaire Power:	3.029 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2025-9-4

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: BXEX-30G-11H-3A1-00-0-0 Ra: 90  
LENS: 15R  
DRIVER: LS-3-700 SIE 700mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

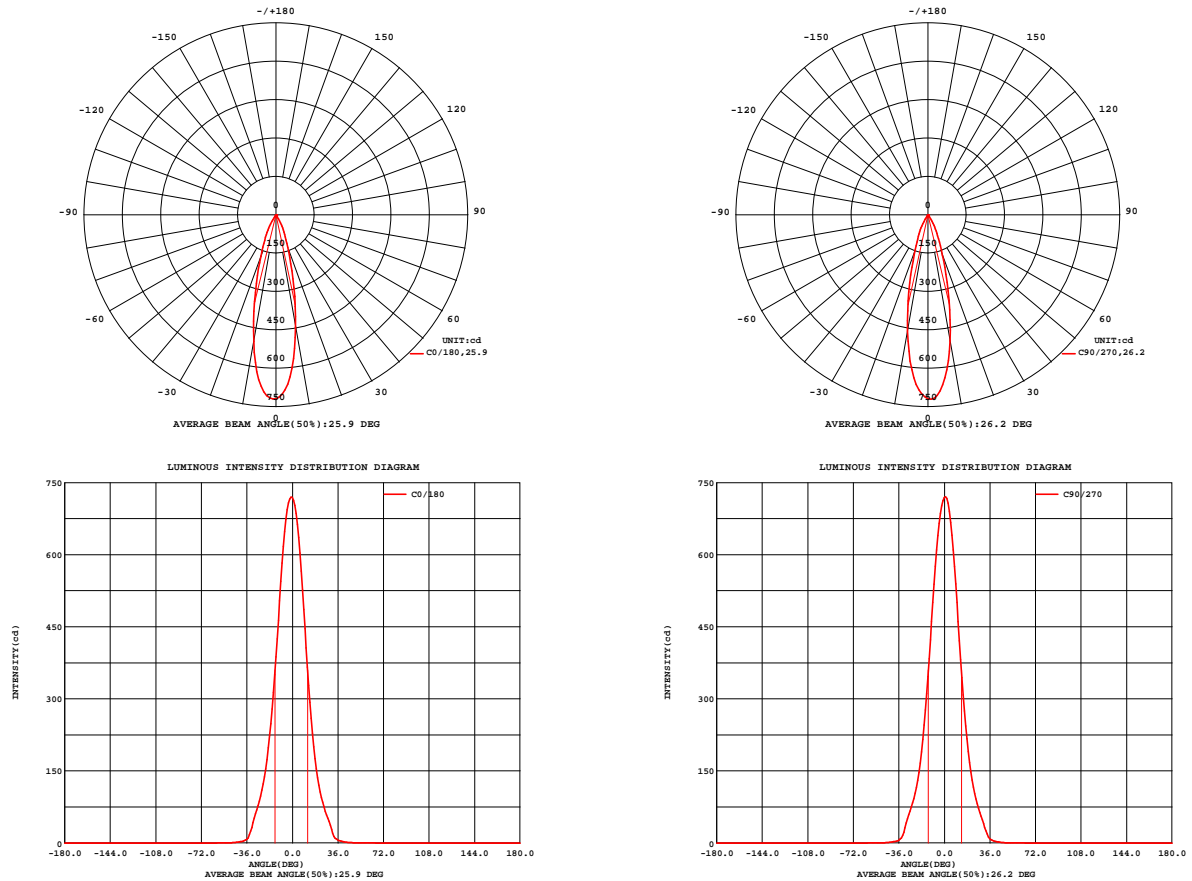


Fig. C0/C180

Fig. C90/C270

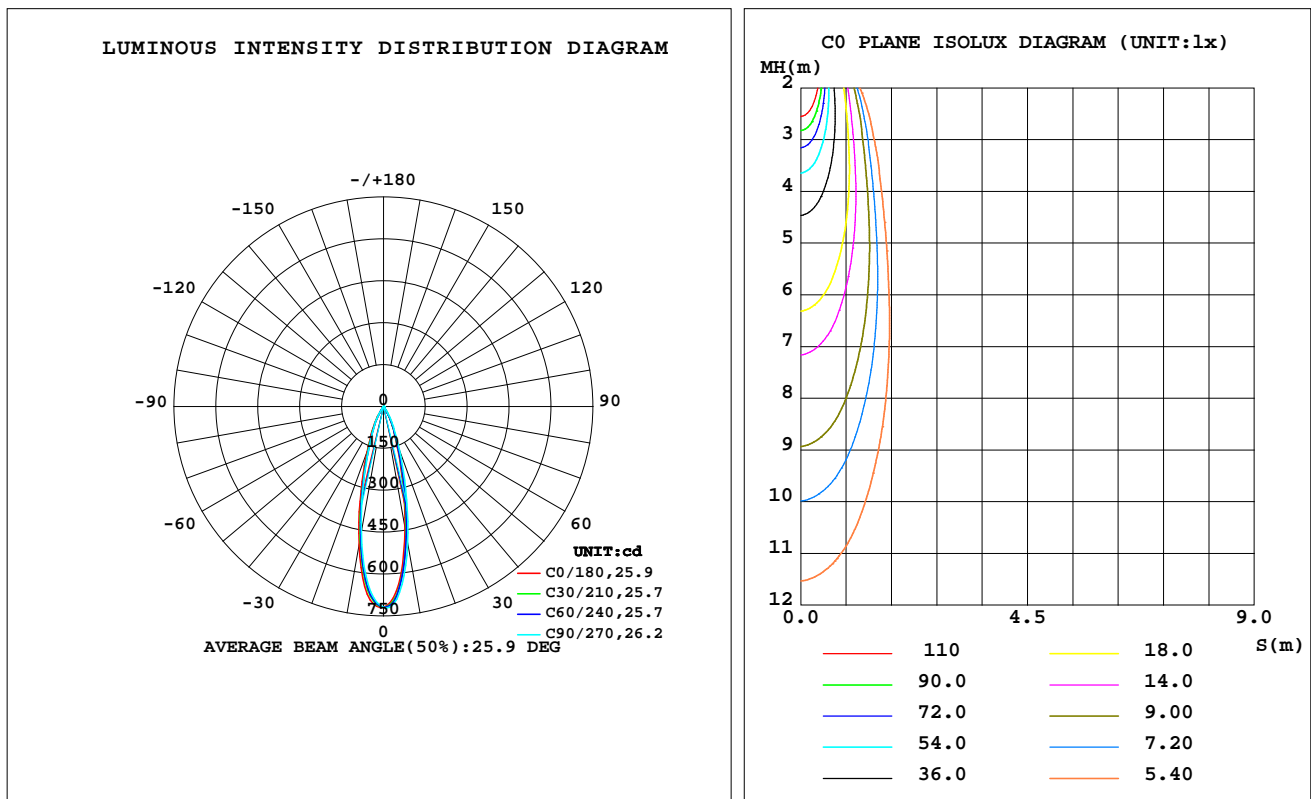
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DRIVER: LS-3-700 SIE 700mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.14V I:0.0232A P:3.0291W PF:0.5839 Freq:49.99Hz Lamp Flux:225.131x1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.20 lm/W			
MODEL	Bridgelux	Imax(cd)	721.4	S/MH(C0/180)	0.46
NOMINAL POWER(W)	3	LOR(%)	82.4	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	185.40	UP,DN(C0-180)	0.0,42.0
NOMINAL FLUX(lm)	225.131	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,40.4
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	down(%)	82.4	CIBSE SHR MAX	0.30



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Interval: 1.0DEG  
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DRIVER:LS-3-700 SIE 700mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	446.0	469.4	500.4	512.3	503.6	477.7	461.6	447.0	0- 10	56.58	56.58	30.5,25.1
20	135.8	144.3	167.7	179.3	173.4	154.8	146.6	137.8	10- 20	79.45	136.0	73.4,60.4
30	37.04	36.20	48.31	50.41	51.93	42.02	41.31	33.44	20- 30	39.83	175.9	94.9,78.1
40	2.855	3.215	3.821	3.881	3.271	2.868	2.664	2.435	30- 40	8.536	184.4	99.5,81.9
50	0.1972	0.2823	0.3073	0.3181	0.2594	0.1701	0.1430	0.1351	40- 50	0.9574	185.4	100,82.3
60	0.0061	0.0050	0.0051	0.0026	0	0.0000	0.0000	0.0022	50- 60	0.0447	185.4	100,82.4
70	0	0	0	0	0	0	0	0	60- 70	0.0003	185.4	100,82.4
80	0	0	0	0	0	0	0	0	70- 80	0	185.4	100,82.4
90	0	0	0	0	0	0	0	0	80- 90	0	185.4	100,82.4
100	0	0	0	0	0	0	0	0	90-100	0	185.4	100,82.4
110	0	0	0	0	0	0	0	0	100-110	0	185.4	100,82.4
120	0	0	0	0	0	0	0	0	110-120	0	185.4	100,82.4
130	0	0	0	0	0	0	0	0	120-130	0	185.4	100,82.4
140	0	0	0	0	0	0	0	0	130-140	0	185.4	100,82.4
150	0	0	0	0	0	0	0	0	140-150	0	185.4	100,82.4
160	0	0	0	0	0	0	0	0	150-160	0	185.4	100,82.4
170	0	0	0	0	0	0	0	0	160-170	0	185.4	100,82.4
180	0	0	0	0	0	0	0	0	170-180	0	185.4	100,82.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXEX-30G-11H-3A1-00-0-0 Ra:90  
LENS:15R  
DRIVER:LS-3-700 SIE 700mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:220.14V I:0.0232A P:3.0291W PF:0.5839 Freq:49.99Hz  
Lamp Flux:225.13lx1 lm

NAME: 2368.100

TYPE:

WEIGHT:

SPEC.: 3000K

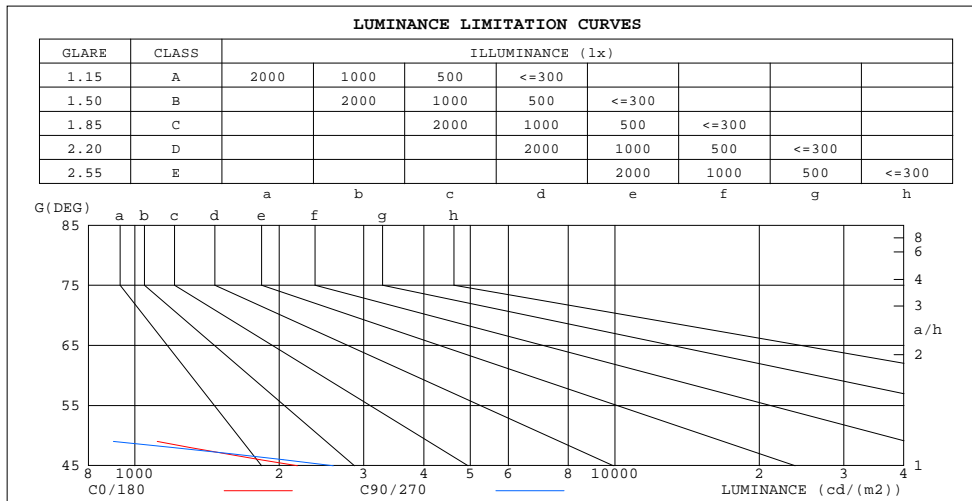
DIM.:

SERIAL No.: 2509040599

MFR.: RISE

SUR.: 0.0007065m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	0
65	0	0
60	17	14
55	72	132
50	434	676
45	2183	2592

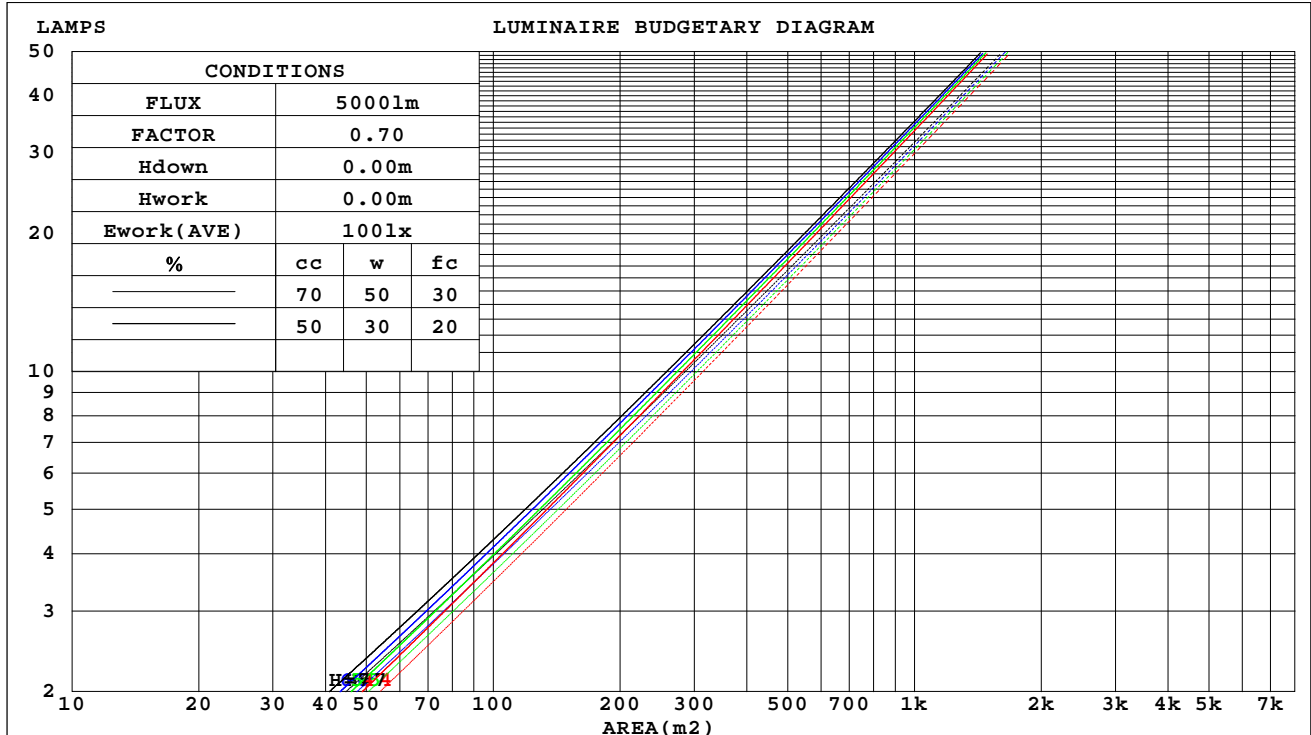
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## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



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Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXEX-30G-11H-3A1-00-0-0 Ra:90  
LENS:15R  
DRIVER:LS-3-700 SIE 700mA  
30minutes warm-up

### WEC AND CCEC

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NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.116	.066	.021	.110	.063	.020	.100	.057	.018	.091	.052	.017	.082	.048	.015	
2.0	.108	.059	.018	.103	.057	.018	.095	.053	.016	.087	.049	.015	.080	.045	.014	
3.0	.101	.054	.016	.097	.052	.016	.090	.049	.015	.084	.046	.014	.078	.043	.013	
4.0	.095	.049	.015	.092	.048	.014	.086	.046	.014	.080	.043	.013	.075	.041	.012	
5.0	.090	.046	.013	.087	.045	.013	.082	.043	.013	.077	.041	.012	.073	.039	.012	
6.0	.085	.043	.012	.083	.042	.012	.079	.040	.012	.074	.039	.011	.071	.037	.011	
7.0	.081	.040	.011	.079	.039	.011	.075	.038	.011	.072	.037	.011	.068	.036	.010	
8.0	.078	.038	.011	.076	.037	.011	.072	.036	.010	.069	.035	.010	.066	.034	.010	
9.0	.074	.036	.010	.073	.035	.010	.070	.034	.010	.067	.034	.010	.064	.033	.009	
10.0	.071	.034	.009	.070	.034	.009	.067	.033	.009	.065	.032	.009	.062	.031	.009	

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.157	.157	.157	.134	.134	.134	.092	.092	.092	.053	.053	.053	.017	.017	.017	
1.0	.139	.130	.122	.119	.111	.105	.081	.077	.072	.047	.044	.042	.015	.014	.014	
2.0	.124	.109	.097	.106	.094	.084	.073	.065	.058	.042	.038	.034	.013	.012	.011	
3.0	.112	.093	.078	.096	.080	.068	.066	.056	.048	.038	.033	.028	.012	.011	.009	
4.0	.102	.081	.064	.088	.070	.056	.060	.049	.039	.035	.028	.023	.011	.009	.008	
5.0	.094	.071	.054	.080	.061	.047	.055	.043	.033	.032	.025	.020	.010	.008	.006	
6.0	.086	.062	.045	.074	.054	.039	.051	.038	.028	.030	.022	.017	.010	.007	.005	
7.0	.080	.056	.039	.069	.048	.034	.048	.034	.024	.028	.020	.014	.009	.007	.005	
8.0	.075	.050	.033	.065	.044	.029	.045	.031	.021	.026	.018	.012	.008	.006	.004	
9.0	.071	.046	.029	.061	.040	.025	.042	.028	.018	.025	.016	.011	.008	.005	.004	
10.0	.067	.042	.025	.057	.036	.022	.040	.026	.016	.023	.015	.009	.008	.005	.003	

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Interval: 1.0DEG  
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30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:220.14V I:0.0232A P:3.0291W PF:0.5839 Freq:49.99Hz Lamp Flux:225.13lx1 lm										
NAME: 2368.100					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2509040599		
MFR.: RISE					SUR.: 0.0007065m2			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	12.7	13.4	12.9	13.6	13.7	14.9	15.6	15.1	15.8	15.9
3H	12.6	13.2	12.8	13.4	13.6	14.8	15.4	15.0	15.6	15.8
4H	12.5	13.1	12.8	13.3	13.5	14.7	15.3	14.9	15.5	15.7
6H	12.4	13.0	12.7	13.2	13.5	14.6	15.2	14.9	15.4	15.6
8H	12.4	12.9	12.7	13.2	13.4	14.6	15.1	14.9	15.4	15.6
12H	12.3	12.9	12.6	13.1	13.4	14.5	15.0	14.8	15.3	15.6
4H 2H	12.5	13.1	12.8	13.3	13.5	14.7	15.3	14.9	15.5	15.7
3H	12.3	12.9	12.6	13.1	13.4	14.5	15.0	14.8	15.3	15.6
4H	12.2	12.7	12.6	13.0	13.3	14.4	14.9	14.8	15.2	15.5
6H	12.1	12.6	12.5	12.9	13.2	14.3	14.7	14.7	15.1	15.4
8H	12.1	12.5	12.5	12.8	13.2	14.3	14.7	14.7	15.0	15.4
12H	12.0	12.4	12.4	12.8	13.1	14.2	14.6	14.6	14.9	15.3
8H 4H	12.1	12.5	12.5	12.8	13.2	14.3	14.7	14.7	15.0	15.4
6H	12.0	12.3	12.4	12.7	13.1	14.2	14.5	14.6	14.9	15.3
8H	11.9	12.2	12.4	12.6	13.1	14.1	14.4	14.5	14.8	15.2
12H	11.8	12.1	12.3	12.5	13.0	14.0	14.3	14.5	14.7	15.2
12H 4H	12.0	12.4	12.4	12.8	13.1	14.2	14.6	14.6	14.9	15.3
6H	11.9	12.2	12.4	12.6	13.1	14.1	14.4	14.5	14.8	15.2
8H	11.8	12.1	12.3	12.5	13.0	14.0	14.3	14.5	14.7	15.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.5 / -32.1					+ 4.5 / -33.4				
1.5H	+ 5.9 / -25.6					+ 7.1 / -25.3				
2.0H	+ 7.4 / - 1.5					+ 8.9 / -40.6				

CIE Pub.117, 225.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.2)  
Area: 0.0007065 m2

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30minutes warm-up



### UTILIZATION FACTORS TABLE

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

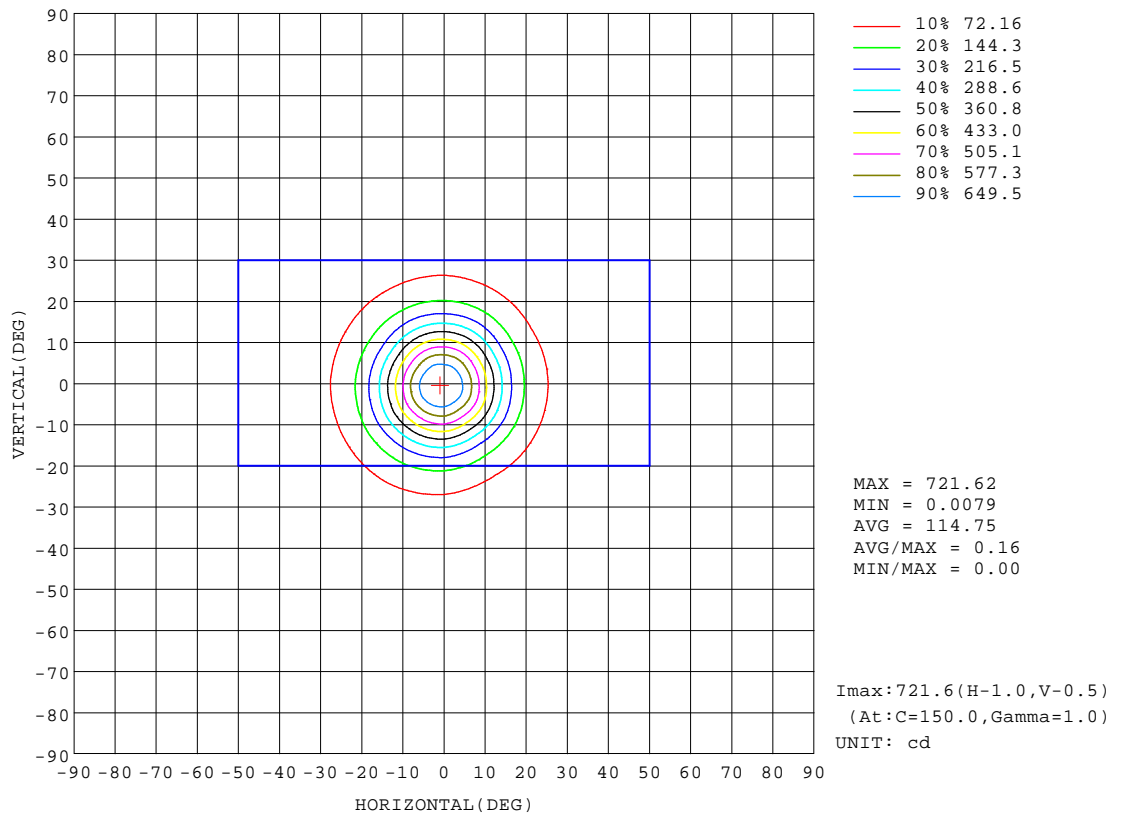
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	75	70	68	75	70	68	74	70	68	65
0.80	81	77	74	80	76	74	79	76	73	71
1.00	84	80	77	83	79	77	82	79	77	74
1.25	87	83	80	86	83	80	84	82	80	76
1.50	89	85	83	88	85	83	86	84	82	78
2.00	91	87	85	89	87	84	87	85	83	79
2.50	92	89	87	90	88	86	88	86	84	80
3.00	93	90	88	91	89	87	89	87	86	81
4.00	94	92	91	93	91	90	90	88	87	82
5.00	95	94	92	94	92	91	90	89	89	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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## ISOCANDELA DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

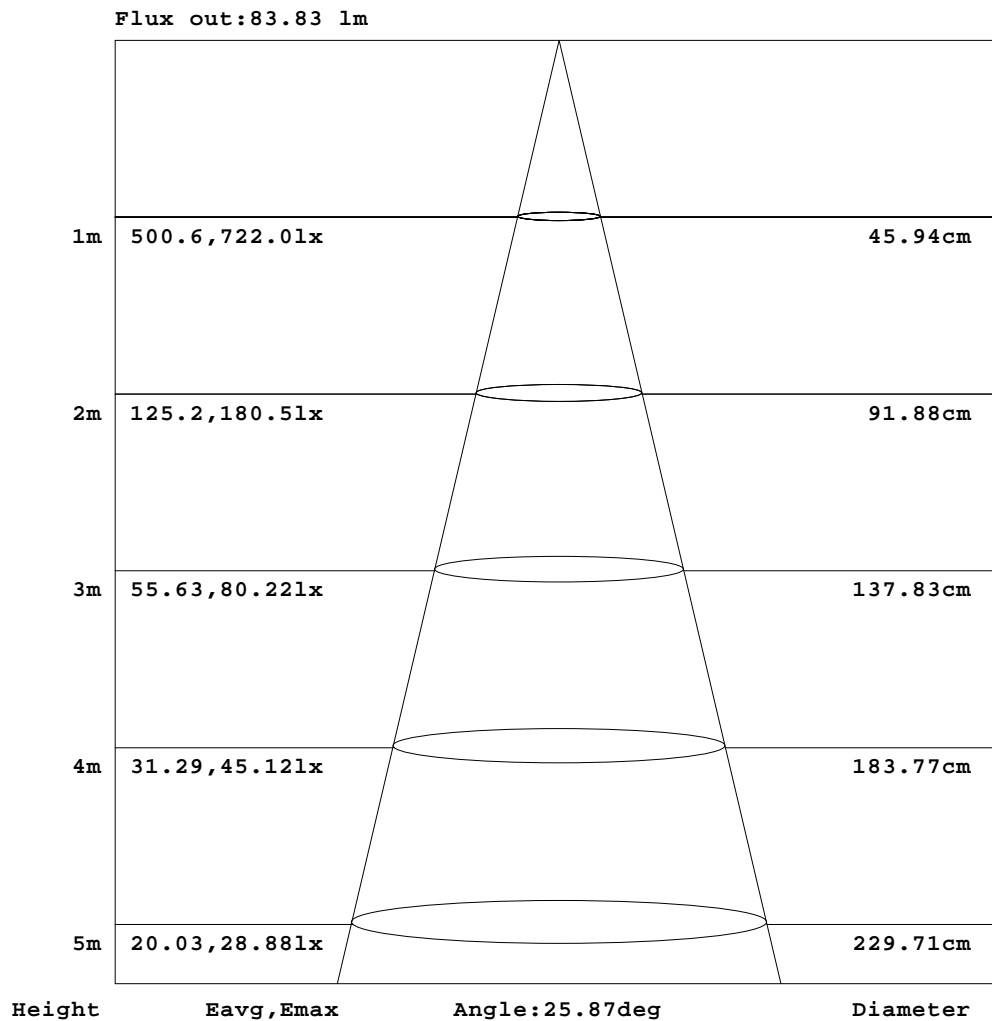


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## AAI Figure

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:



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

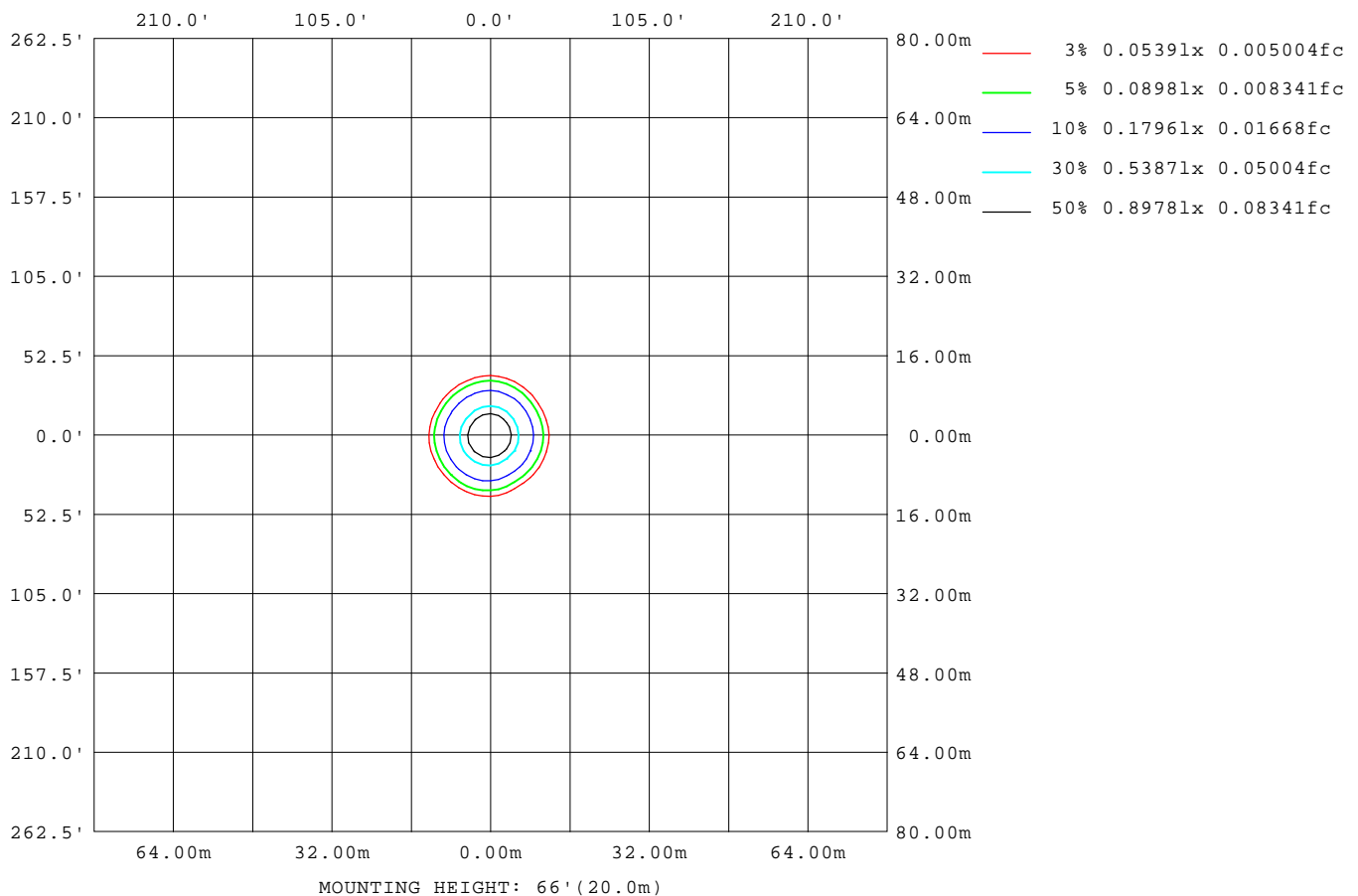
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DRIVER:LS-3-700 SIE 700mA  
30minutes warm-up



## ISOLUX DIAGRAM

Test:U:220.14V I:0.0232A P:3.0291W PF:0.5839 Freq:49.99Hz Lamp Flux:225.13lx1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-9-4

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXEX-30G-11H-3A1-00-0-0 Ra:90  
LENS:15R  
DRIVER:LS-3-700 SIE 700mA  
30minutes warm-up

## LED Avg.L Report

Test:U:220.14V I:0.0232A P:3.0291W PF:0.5839 Freq:49.99Hz Lamp Flux:225.131x1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

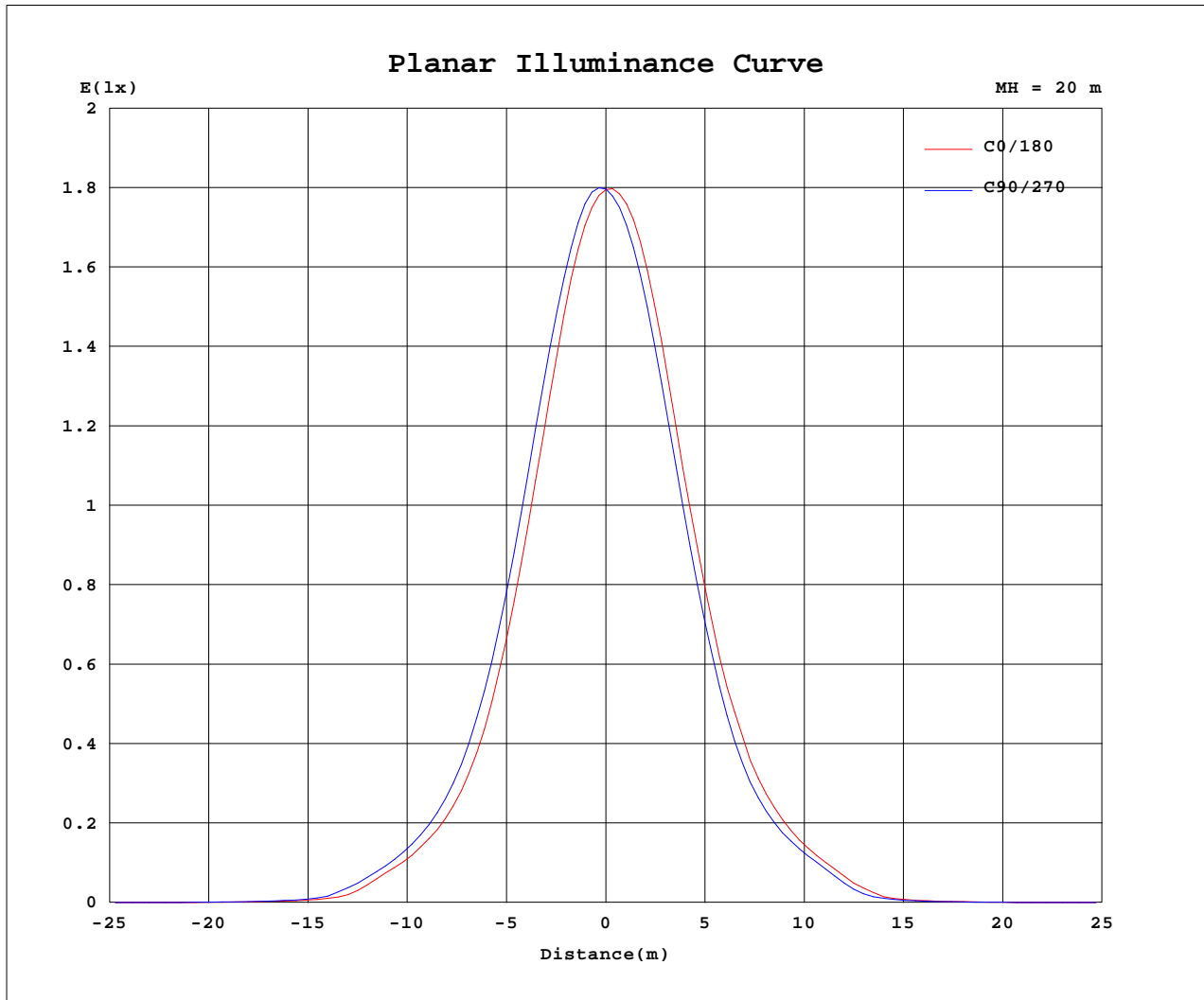
AvgL	cd/m2
L_0~180(65)av	0
L_0~180(75)av	0
L_0~180(85)av	0
L_90~270(65)av	0
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	0
L_45(75)av	0
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-9-4

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXEX-30G-11H-3A1-00-0-0 Ra:90  
LENS:15R  
DRIVER:LS-3-700 SIE 700mA  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: zoe  
 Test Date: 2025-9-4

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 3.160m [K=1.0000]  
 Remarks: LAMP: BXEX-30G-11H-3A1-00-0-0 Ra: 90  
 LENS: 15R  
 DRIVER: LS-3-700 SIE 700mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.14V I:0.0232A P:3.0291W PF:0.5839 Freq:49.99Hz  
Lamp Flux:225.13lx1 lm

NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040599
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	719	719	719	719	719	719	719	719	719	719	719	719						
5	636	648	653	667	672	679	674	659	652	639	635	629						
10	446	466	473	500	509	516	504	482	474	462	453	441						
15	260	274	280	308	318	324	313	290	284	277	270	256						
20	136	142	147	168	177	181	173	158	151	147	142	133						
25	75.4	74.9	76.6	91.6	98.3	98.3	97.7	89.0	84.7	83.5	77.7	71.0						
30	37.0	36.6	35.8	48.3	51.1	49.7	51.9	43.9	40.1	41.3	35.7	31.2						
35	8.00	8.59	10.0	12.1	12.6	11.9	10.6	9.43	8.01	8.16	7.09	7.42						
40	2.85	3.22	3.21	3.82	4.01	3.76	3.27	2.93	2.81	2.66	2.49	2.38						
45	1.09	1.21	1.00	1.30	1.39	1.26	1.12	0.98	0.88	0.88	0.80	0.72						
50	0.20	0.33	0.23	0.31	0.33	0.30	0.26	0.19	0.15	0.14	0.14	0.13						
55	0.03	0.04	0.04	0.05	0.05	0.04	0.03	0.02	0.02	0.02	0.01	0.01						
60	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-9-4

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