

### Luminaire Photograph



Light Output Ratio:	84.4%	
Luminaire Power:	1.221 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.80	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-5-13

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: BXRE-30G-11H-3A-00-0-0 Ra: 90  
LENS: LL01ZZ-DRT 38R  
NO DRIVER: DC 24V  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

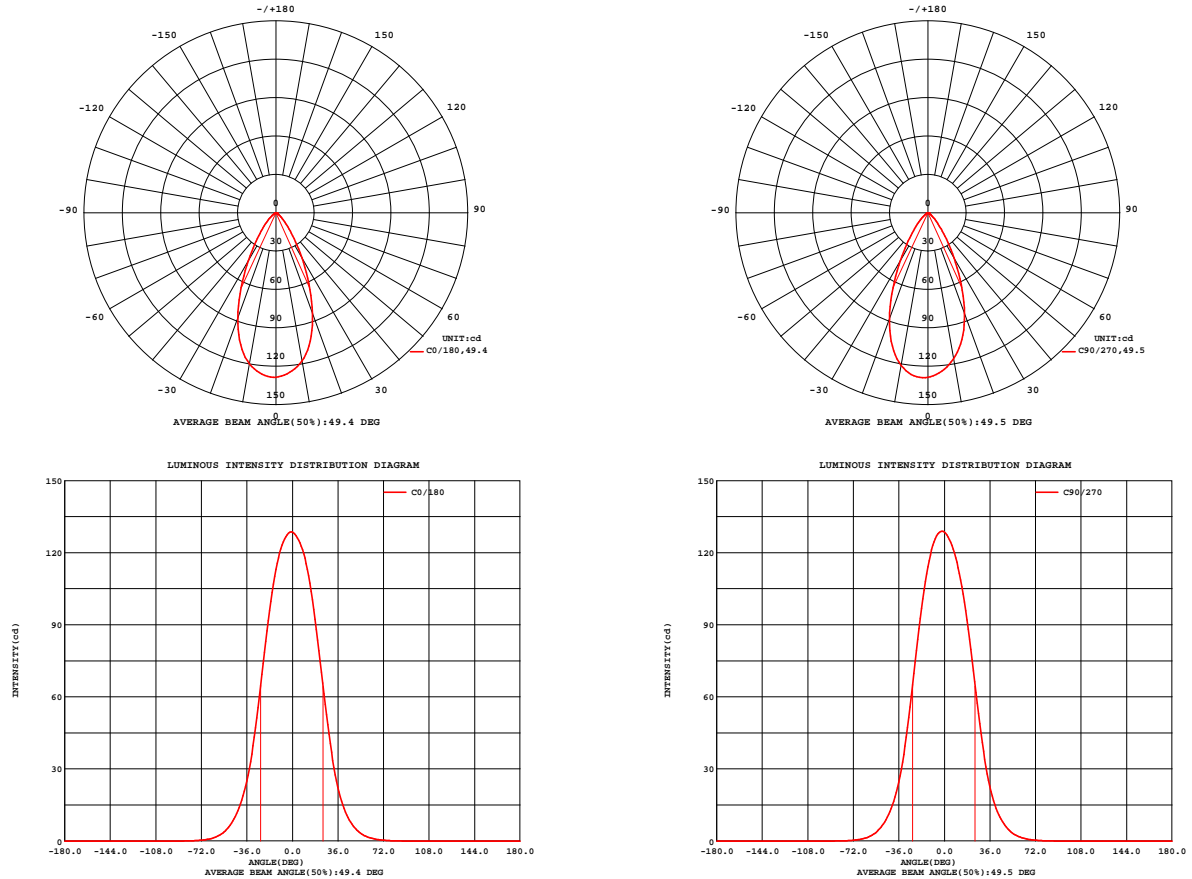


Fig. C0/C180

Fig. C90/C270

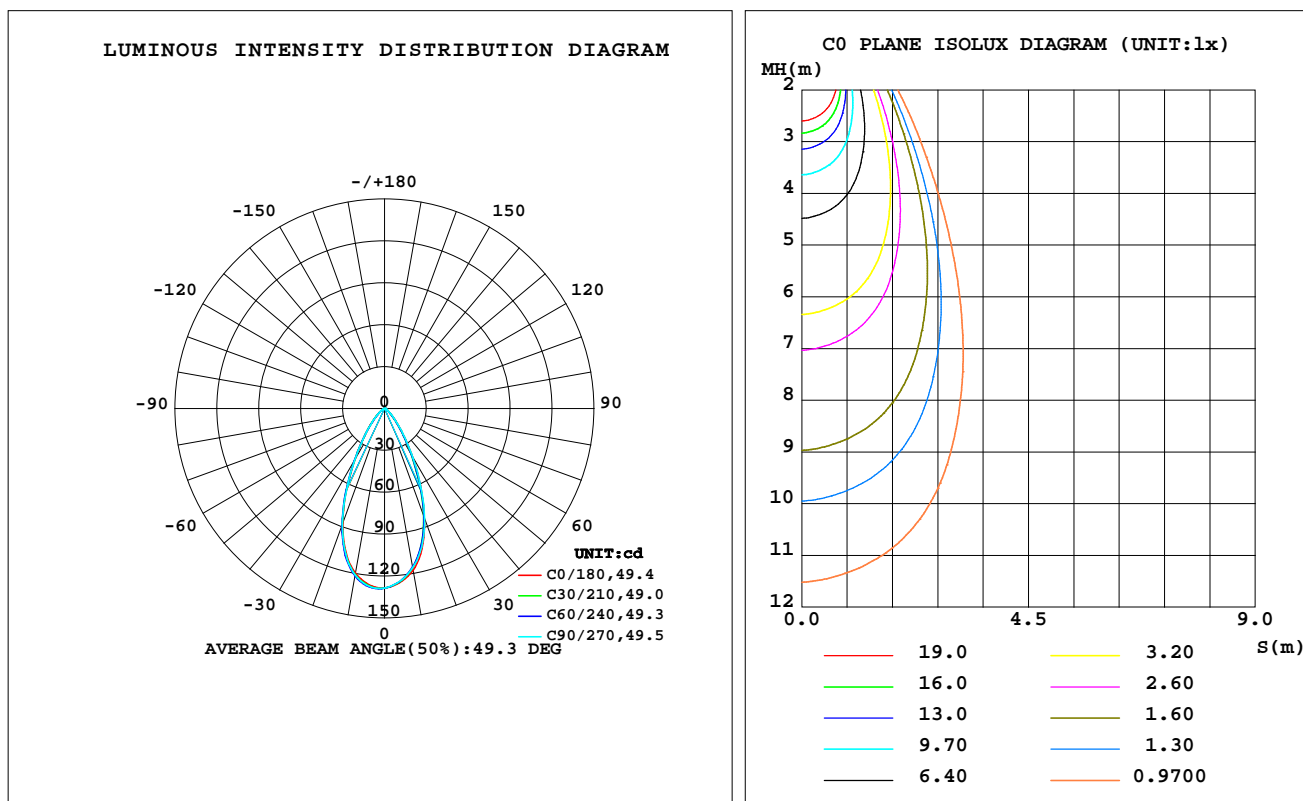
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-13

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-DRT 38R  
NO DRIVER:DC 24V  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.38 lm/W			
MODEL	Brideglux	Imax(cd)	129.1	S/MH(C0/180)	0.78
NOMINAL POWER(W)	1	LOR(%)	84.4	S/MH(C90/270)	0.78
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	96.917	UP,DN(C0-180)	0.0,41.2
NOMINAL FLUX(lm)	114.769	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,43.3
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	24	down(%)	84.4	CIBSE SHR MAX	0.80



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## ZONAL FLUX DIAGRAM

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	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	117.7	115.6	115.9	117.7	119.8	121.4	121.2	119.3	0- 10	11.79	11.79	12.2,10.3
20	83.54	82.14	83.98	84.90	87.48	88.86	88.40	85.94	10- 20	28.98	40.78	42.1,35.5
30	40.55	38.97	41.02	41.65	43.18	43.51	43.20	41.29	20- 30	28.56	69.34	71.5,60.4
40	14.93	13.80	15.07	15.47	16.98	16.65	16.51	14.80	30- 40	16.43	85.76	88.5,74.7
50	5.068	4.642	5.179	5.220	5.938	5.674	5.723	4.887	40- 50	7.244	93.01	96,81
60	1.580	1.536	1.600	1.640	1.781	1.708	1.665	1.500	50- 60	2.756	95.76	98.8,83.4
70	0.4337	0.4557	0.4280	0.4586	0.4440	0.4407	0.4069	0.4095	60- 70	0.8986	96.66	99.7,84.2
80	0.0860	0.0876	0.0812	0.0832	0.0763	0.0740	0.0677	0.0743	70- 80	0.2330	96.89	100,84.4
90	0	0	0	0	0	0	0	0	80- 90	0.0229	96.92	100,84.4
100	0	0	0	0	0	0	0	0	90-100	0	96.92	100,84.4
110	0	0	0	0	0	0	0	0	100-110	0	96.92	100,84.4
120	0	0	0	0	0	0	0	0	110-120	0	96.92	100,84.4
130	0	0	0	0	0	0	0	0	120-130	0	96.92	100,84.4
140	0	0	0	0	0	0	0	0	130-140	0	96.92	100,84.4
150	0	0	0	0	0	0	0	0	140-150	0	96.92	100,84.4
160	0	0	0	0	0	0	0	0	150-160	0	96.92	100,84.4
170	0	0	0	0	0	0	0	0	160-170	0	96.92	100,84.4
180	0	0	0	0	0	0	0	0	170-180	0	96.92	100,84.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-DRT 38R  
NO DRIVER:DC 24V  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz  
Lamp Flux:114.769x1 lm

NAME: 2417.201

TYPE:

WEIGHT:

SPEC.: 3000K

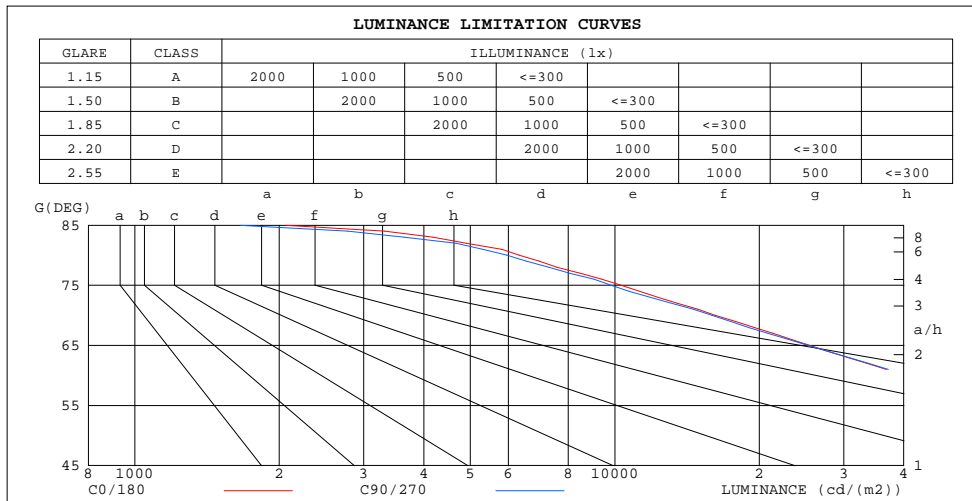
DIM.:

SERIAL No.: 2405130537

MFR.: RISE

SUR.: 0.0000785m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	2069	1662
80	6318	5958
75	10296	9830
70	16175	15937
65	25472	25266
60	40318	40762
55	63577	64663
50	100569	102618
45	158462	161003

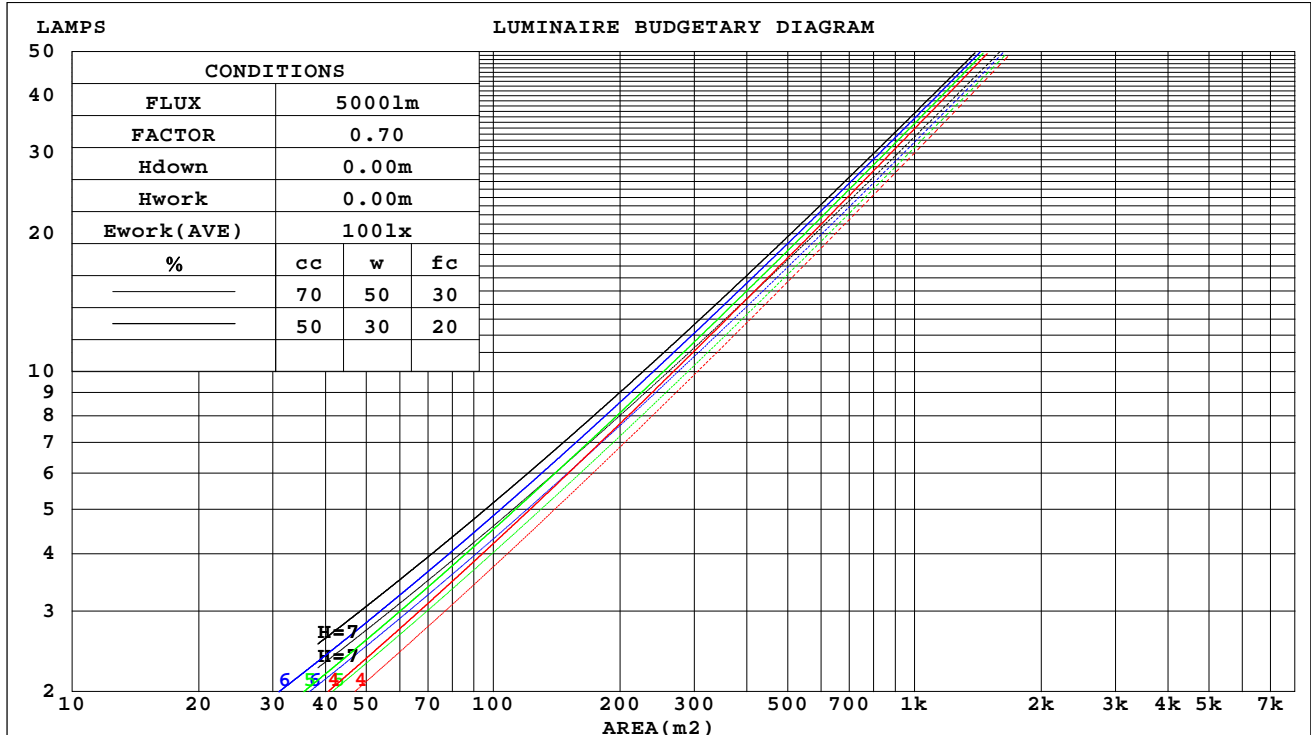
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### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	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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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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-DRT 38R  
NO DRIVER:DC 24V  
30minutes warm-up

### WEC AND CCEC

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	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	.152	.086	.027	.146	.083	.027	.136	.078	.025	.126	.073	.023	.117	.068	.022	
2.0	.146	.080	.025	.141	.078	.024	.132	.073	.023	.124	.069	.022	.116	.066	.021	
3.0	.139	.074	.022	.135	.072	.022	.127	.069	.021	.120	.066	.020	.114	.063	.019	
4.0	.132	.069	.020	.129	.067	.020	.122	.065	.019	.116	.062	.019	.110	.060	.018	
5.0	.126	.064	.019	.123	.063	.018	.117	.061	.018	.111	.059	.017	.106	.057	.017	
6.0	.120	.060	.017	.117	.059	.017	.112	.057	.017	.107	.056	.016	.103	.054	.016	
7.0	.114	.056	.016	.112	.056	.016	.107	.054	.016	.103	.053	.015	.099	.051	.015	
8.0	.109	.053	.015	.107	.053	.015	.103	.051	.015	.099	.050	.014	.096	.049	.014	
9.0	.104	.050	.014	.102	.050	.014	.099	.049	.014	.095	.048	.014	.092	.047	.014	
10.0	.100	.048	.013	.098	.047	.013	.095	.047	.013	.092	.046	.013	.089	.045	.013	

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	.161	.161	.161	.137	.137	.137	.094	.094	.094	.054	.054	.054	.017	.017	.017	
1.0	.145	.133	.122	.124	.114	.105	.085	.078	.073	.049	.045	.042	.016	.015	.014	
2.0	.132	.112	.095	.113	.096	.082	.078	.067	.057	.045	.039	.034	.014	.013	.011	
3.0	.122	.096	.075	.104	.083	.065	.072	.057	.046	.041	.034	.027	.013	.011	.009	
4.0	.113	.084	.061	.097	.072	.053	.067	.050	.037	.039	.029	.022	.012	.010	.007	
5.0	.106	.074	.050	.091	.064	.044	.063	.045	.031	.036	.026	.018	.012	.009	.006	
6.0	.100	.066	.042	.086	.057	.036	.059	.040	.026	.034	.024	.015	.011	.008	.005	
7.0	.094	.060	.035	.081	.052	.031	.056	.036	.022	.032	.021	.013	.010	.007	.004	
8.0	.089	.054	.030	.077	.047	.026	.053	.033	.019	.031	.020	.011	.010	.006	.004	
9.0	.085	.050	.026	.073	.043	.023	.051	.030	.016	.029	.018	.010	.010	.006	.003	
10.0	.081	.046	.023	.070	.040	.020	.048	.028	.014	.028	.017	.009	.009	.005	.003	

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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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-DRT 38R  
NO DRIVER:DC 24V  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm										
NAME: 2417.201					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2405130537		
MFR.: RISE					SUR.: 0.0000785m2			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	32.4	33.3	32.6	33.5	33.7	32.4	33.3	32.6	33.5	33.6
3H	32.3	33.2	32.5	33.4	33.6	32.3	33.1	32.5	33.3	33.5
4H	32.2	33.0	32.5	33.3	33.5	32.2	33.0	32.5	33.2	33.5
6H	32.1	32.9	32.4	33.2	33.4	32.1	32.9	32.4	33.1	33.4
8H	32.1	32.8	32.4	33.1	33.4	32.1	32.8	32.4	33.1	33.3
12H	32.0	32.8	32.4	33.0	33.3	32.0	32.7	32.3	33.0	33.3
4H 2H	32.2	33.0	32.5	33.3	33.5	32.2	33.0	32.5	33.3	33.5
3H	32.1	32.9	32.5	33.1	33.4	32.1	32.8	32.5	33.1	33.4
4H	32.1	32.7	32.4	33.0	33.3	32.1	32.7	32.4	33.0	33.3
6H	32.0	32.6	32.4	32.9	33.3	32.0	32.6	32.4	32.9	33.2
8H	32.0	32.5	32.4	32.8	33.2	31.9	32.5	32.3	32.8	33.2
12H	31.9	32.4	32.3	32.8	33.2	31.9	32.4	32.3	32.7	33.1
8H 4H	32.0	32.5	32.4	32.8	33.2	31.9	32.5	32.3	32.8	33.2
6H	31.9	32.3	32.3	32.7	33.1	31.9	32.3	32.3	32.7	33.1
8H	31.8	32.2	32.3	32.6	33.1	31.8	32.2	32.3	32.6	33.0
12H	31.8	32.1	32.2	32.5	33.0	31.8	32.1	32.2	32.5	33.0
12H 4H	31.9	32.4	32.3	32.8	33.2	31.9	32.4	32.3	32.7	33.1
6H	31.8	32.2	32.3	32.6	33.1	31.8	32.2	32.2	32.6	33.0
8H	31.8	32.1	32.2	32.5	33.0	31.8	32.1	32.2	32.5	33.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.5 / - 4.7					+ 2.6 / - 4.8				
1.5H	+ 3.7 / - 3.5					+ 3.8 / - 4.0				
2.0H	+ 4.4 / - 4.3					+ 4.6 / - 4.7				

CIE Pub.117, 114.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.5)  
Area: 7.85e-005 m2

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30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

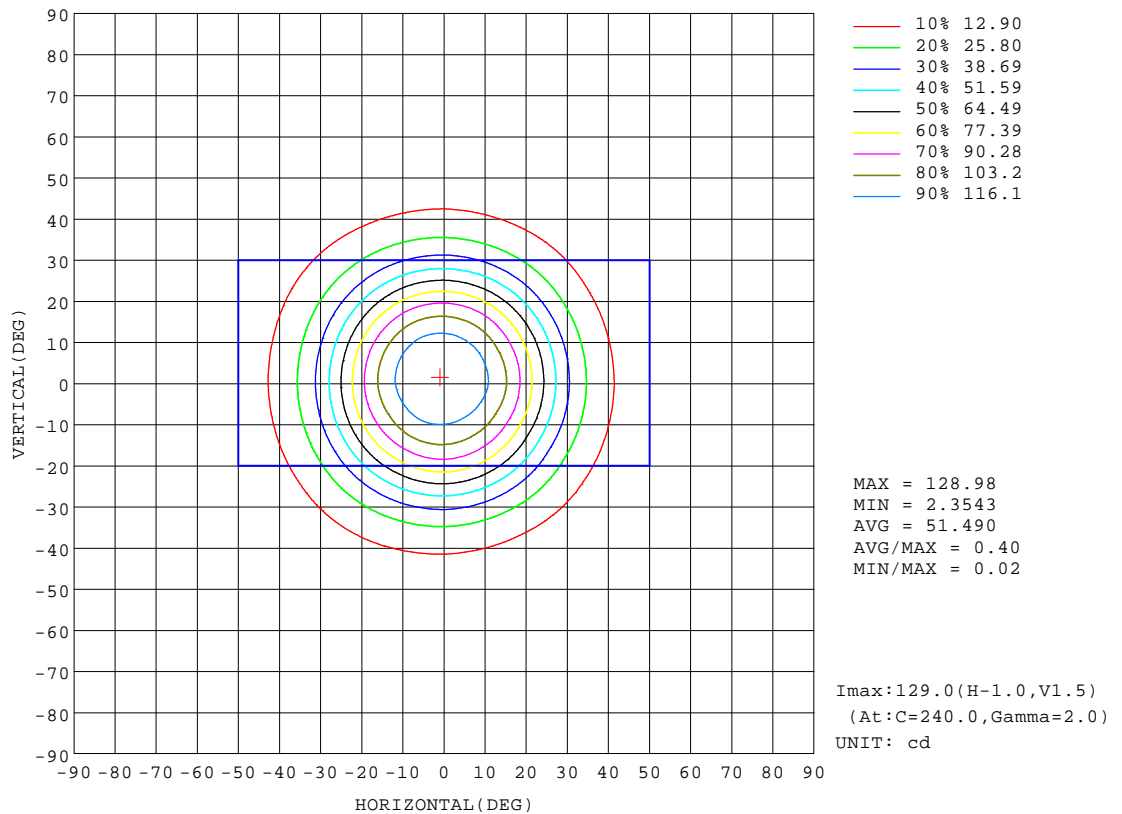
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	71	65	62	71	65	62	70	65	62	58
0.80	78	72	69	77	72	69	76	72	69	65
1.00	82	77	74	81	77	73	80	77	73	69
1.25	86	81	78	85	81	78	83	80	77	73
1.50	88	84	81	87	83	81	85	82	80	76
2.00	91	87	84	90	86	84	87	85	82	78
2.50	92	89	86	91	88	86	88	86	84	79
3.00	94	91	88	92	90	87	89	87	86	80
4.00	96	93	91	94	92	90	91	89	88	82
5.00	97	95	93	95	93	92	92	90	89	83
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.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

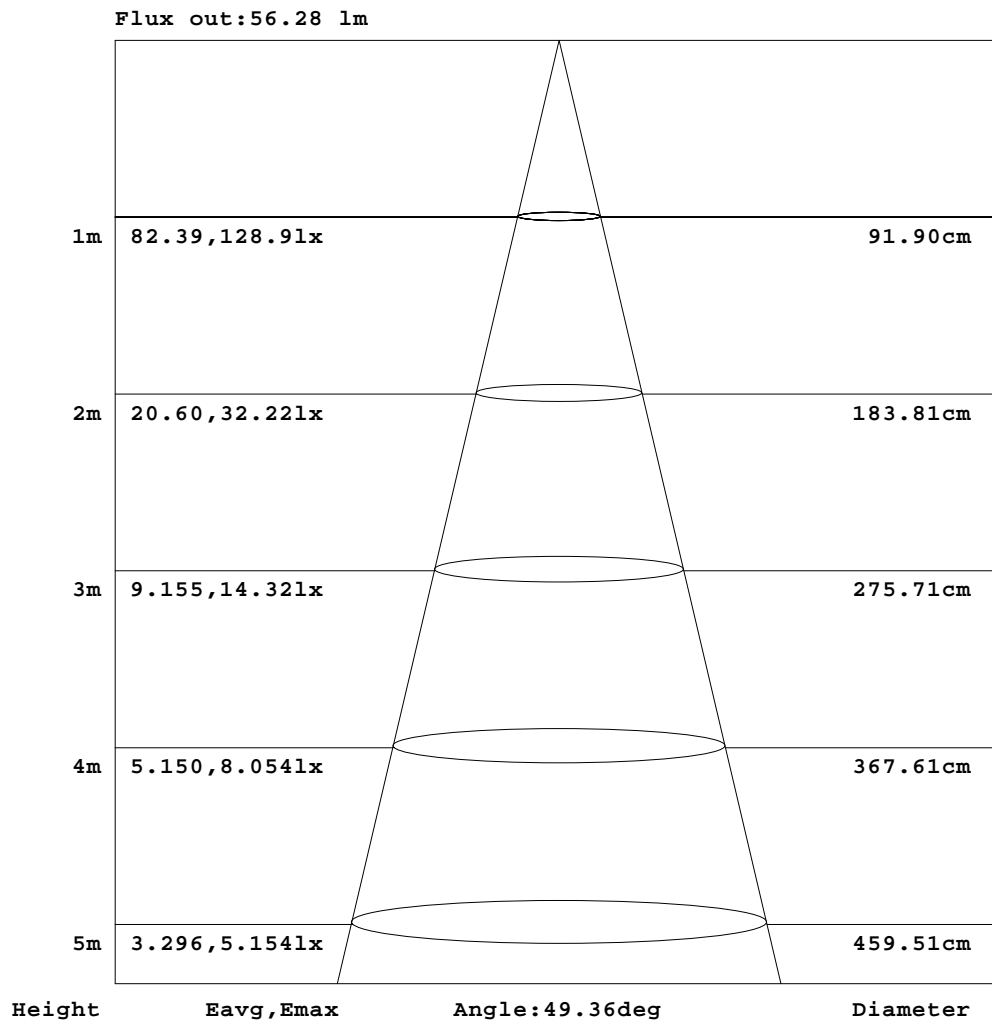


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## AAI Figure

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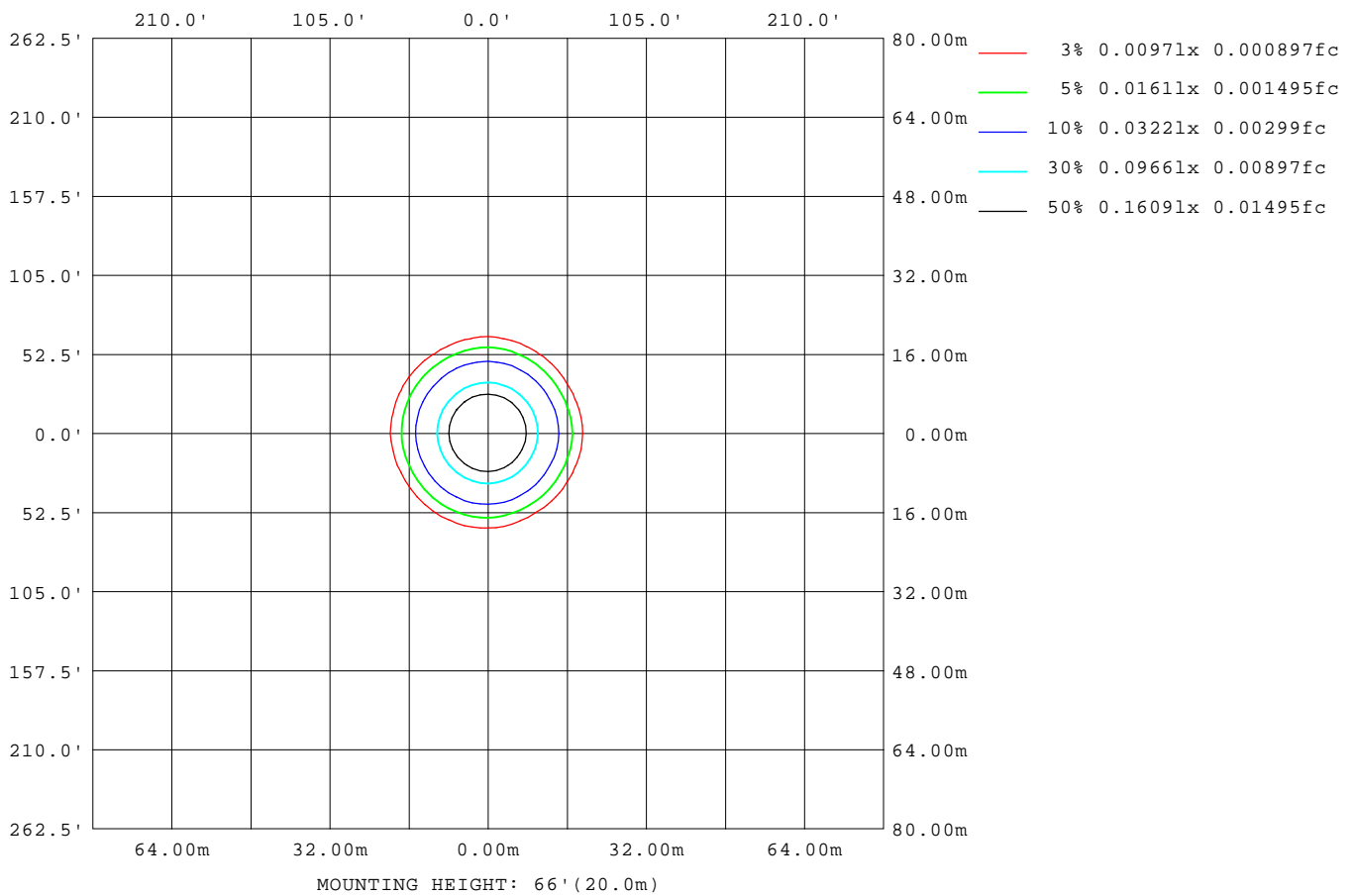
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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30minutes warm-up

## ISOLUX DIAGRAM

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-5-13

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: BXRE-30G-11H-3A-00-0-0 Ra: 90  
LENS: LL01ZZ-DRT 38R  
NO DRIVER: DC 24V  
30minutes warm-up

### LED Avg.L Report

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

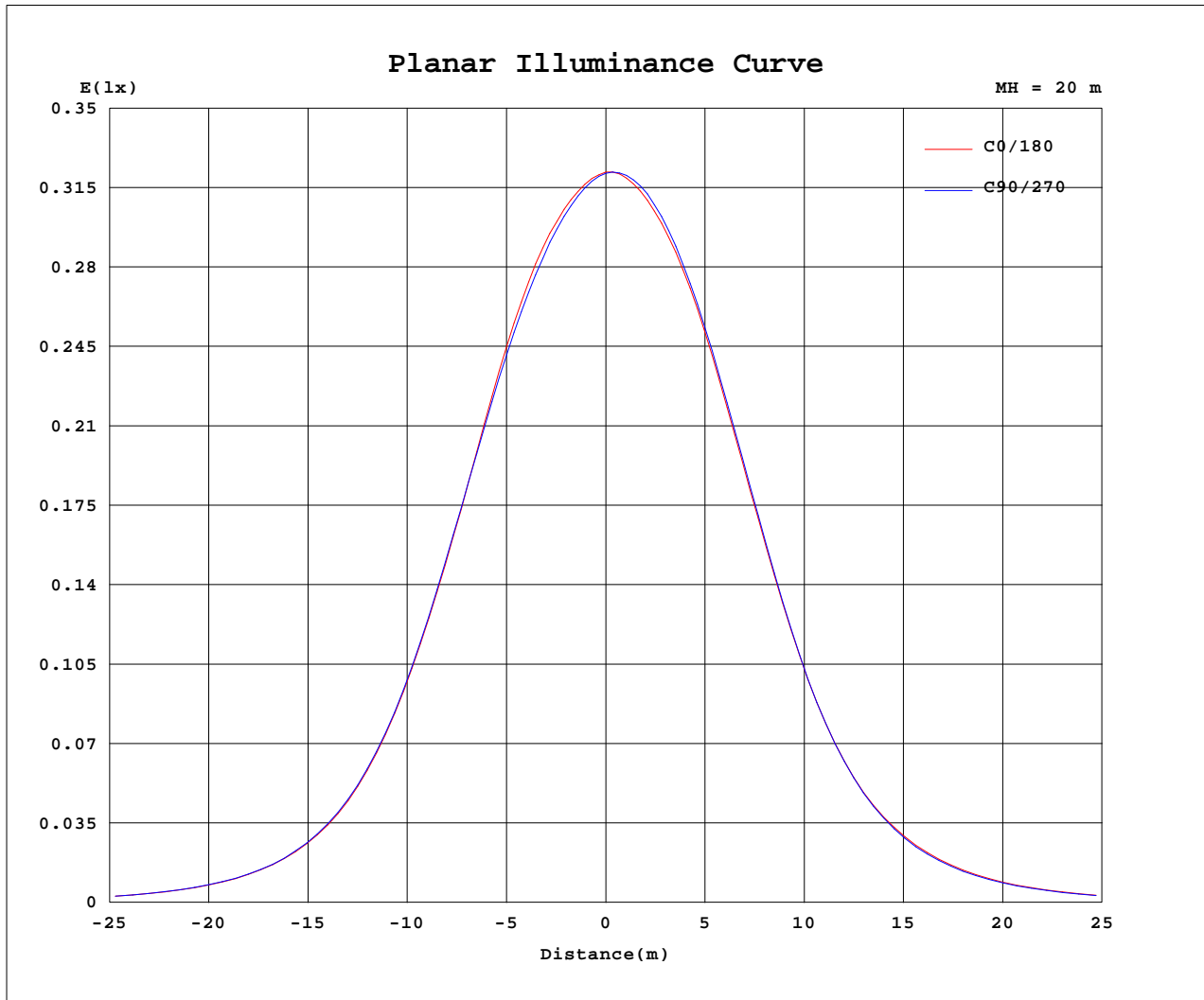
AvgL	cd/m2
L_0~180(65)av	26441
L_0~180(75)av	10035
L_0~180(85)av	1637
L_90~270(65)av	25277
L_90~270(75)av	9421
L_90~270(85)av	971
L_45(65)av	25656
L_45(75)av	10300
L_45(85)av	963

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-13

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-DRT 38R  
NO DRIVER:DC 24V  
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: 2024-5-13

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: BXRE-30G-11H-3A-00-0-0 Ra: 90  
 LENS: LL01ZZ-DRT 38R  
 NO DRIVER: DC 24V  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.944V I:0.0510A P:1.2209W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130537
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	129	129	129	129	129	129	129	129	129	129	129	129						
5	125	125	124	124	125	126	127	128	128	128	127	126						
10	118	116	115	116	117	118	120	121	122	121	120	119						
15	104	102	102	103	104	104	107	108	109	108	107	105						
20	83.5	81.8	82.5	84.0	84.2	85.6	87.5	88.6	89.2	88.4	87.0	84.9						
25	61.3	59.1	60.2	61.8	62.1	63.3	64.6	65.2	65.6	65.0	63.6	62.1						
30	40.5	38.5	39.5	41.0	41.3	42.0	43.2	43.4	43.6	43.2	41.9	40.7						
35	24.9	23.4	23.9	25.3	25.6	26.1	27.4	27.4	27.4	27.1	25.7	24.7						
40	14.9	13.8	13.8	15.1	15.4	15.5	17.0	16.8	16.5	16.5	15.3	14.3						
45	8.78	8.13	7.87	8.94	9.13	9.10	10.2	10.1	9.60	9.90	8.90	8.25						
50	5.07	4.79	4.49	5.18	5.24	5.20	5.94	5.88	5.46	5.72	5.08	4.69						
55	2.86	2.79	2.57	2.91	2.97	2.93	3.32	3.31	3.04	3.17	2.84	2.64						
60	1.58	1.61	1.46	1.60	1.65	1.63	1.78	1.78	1.64	1.66	1.54	1.46						
65	0.84	0.88	0.81	0.84	0.89	0.87	0.91	0.92	0.86	0.84	0.81	0.78						
70	0.43	0.48	0.43	0.43	0.46	0.46	0.44	0.46	0.42	0.41	0.40	0.41						
75	0.21	0.23	0.21	0.20	0.21	0.22	0.20	0.21	0.19	0.18	0.19	0.20						
80	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08						
85	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01						
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:2024-5-13

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