

Luminaire Photograph



Light Output Ratio:	61.0%	
Luminaire Power:	1.22 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	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

γ Range: 0 - 180DEG
 γ 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 20X40R
NO DRIVER: DC 24V
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

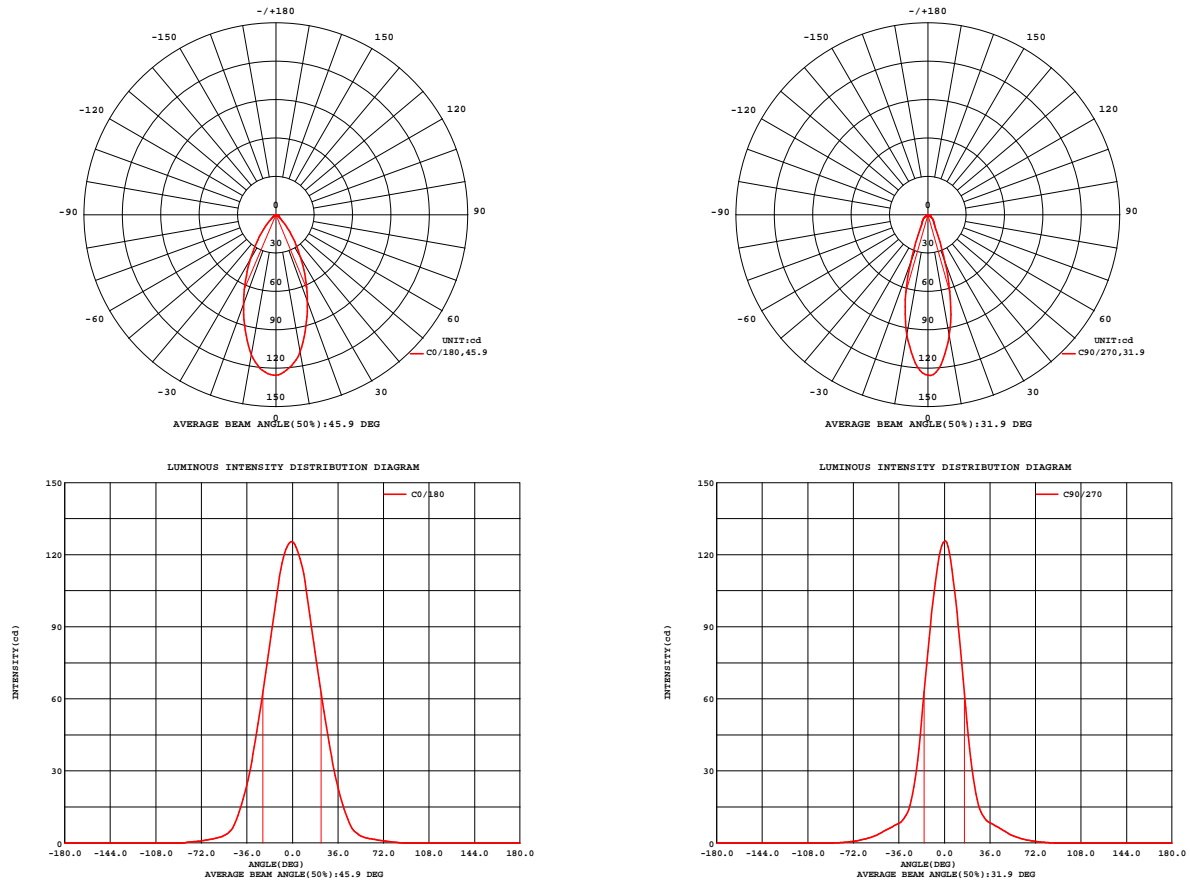


Fig. C0/C180

Fig. C90/C270

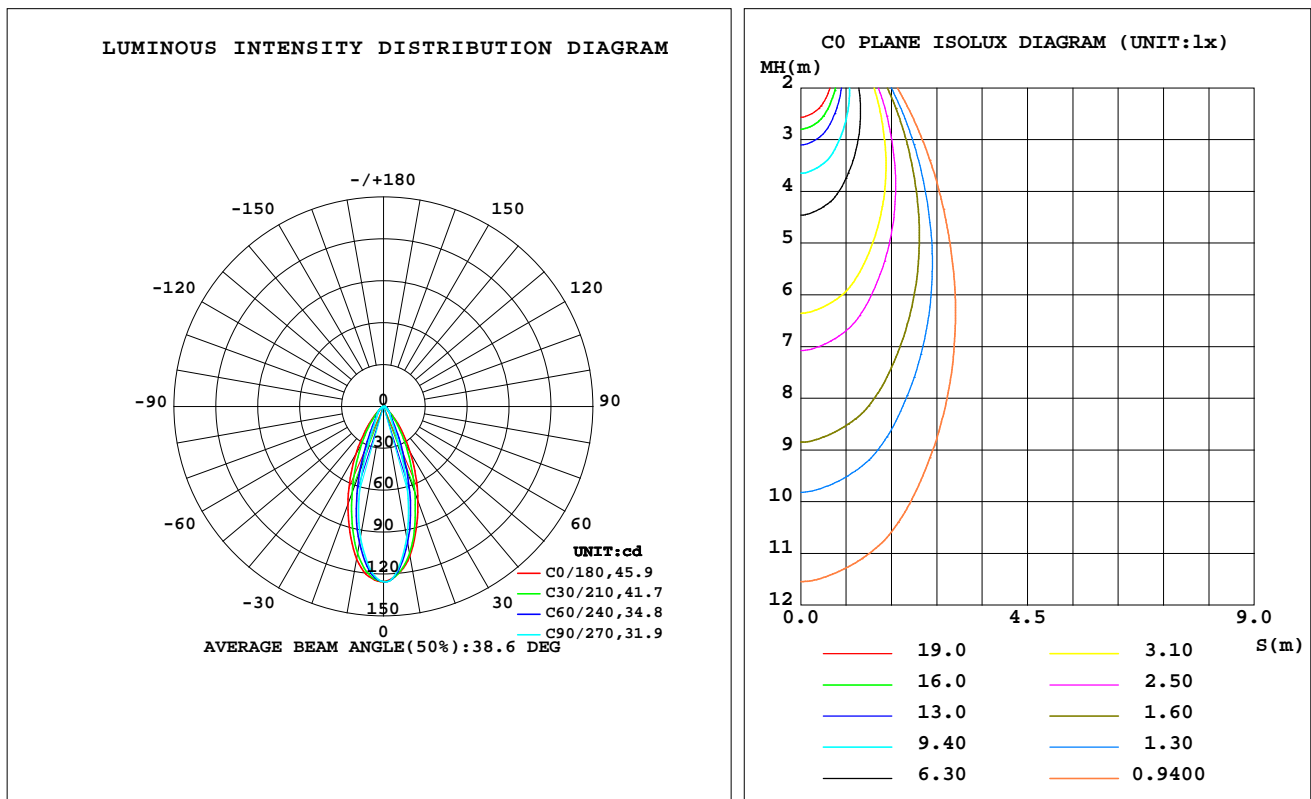
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
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Test Date:2024-5-13

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NO DRIVER:DC 24V
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.945V I:0.0509A P:1.2199W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130539
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.40 lm/W			
MODEL	Brideglux	Imax(cd)	125.7	S/MH(C0/180)	0.72
NOMINAL POWER(W)	1	LOR(%)	61.0	S/MH(C90/270)	0.52
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	70.019	η UP,DN(C0-180)	0.0,30.5
NOMINAL FLUX(lm)	114.769	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,30.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	61.0	CIBSE SHR MAX	0.65



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	108.8	103.2	96.17	103.3	111.1	103.0	95.39	101.1	0- 10	10.83	10.83	15.5,9.44
20	72.29	57.36	39.40	56.61	74.55	58.34	39.25	55.57	10- 20	22.01	32.84	46.9,28.6
30	38.72	23.94	11.81	23.10	40.01	23.45	11.63	23.22	20- 30	17.35	50.19	71.7,43.7
40	15.76	9.901	7.285	9.341	16.27	9.644	7.125	9.667	30- 40	10.01	60.21	86,52.5
50	4.460	4.145	4.164	4.128	4.421	4.103	4.209	4.188	40- 50	5.220	65.43	93.4,57
60	1.934	1.900	1.989	1.820	2.010	1.853	2.034	1.949	50- 60	2.572	68.00	97.1,59.2
70	1.005	0.8535	0.8177	0.8176	1.066	0.8311	0.8397	0.8351	60- 70	1.322	69.32	99,60.4
80	0.3884	0.2982	0.2263	0.2871	0.4869	0.2985	0.2480	0.2815	70- 80	0.5916	69.91	99.8,60.9
90	0	0	0	0	0	0	0	0	80- 90	0.1068	70.02	100,61
100	0	0	0	0	0	0	0	0	90-100	0	70.02	100,61
110	0	0	0	0	0	0	0	0	100-110	0	70.02	100,61
120	0	0	0	0	0	0	0	0	110-120	0	70.02	100,61
130	0	0	0	0	0	0	0	0	120-130	0	70.02	100,61
140	0	0	0	0	0	0	0	0	130-140	0	70.02	100,61
150	0	0	0	0	0	0	0	0	140-150	0	70.02	100,61
160	0	0	0	0	0	0	0	0	150-160	0	70.02	100,61
170	0	0	0	0	0	0	0	0	160-170	0	70.02	100,61
180	0	0	0	0	0	0	0	0	170-180	0	70.02	100,61
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
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NO DRIVER:DC 24V
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:23.945V I:0.0509A P:1.2199W PF:1.0000 Freq:0Hz
Lamp Flux:114.769x1 lm

NAME: 2417.201

TYPE:

WEIGHT:

SPEC.: 3000K

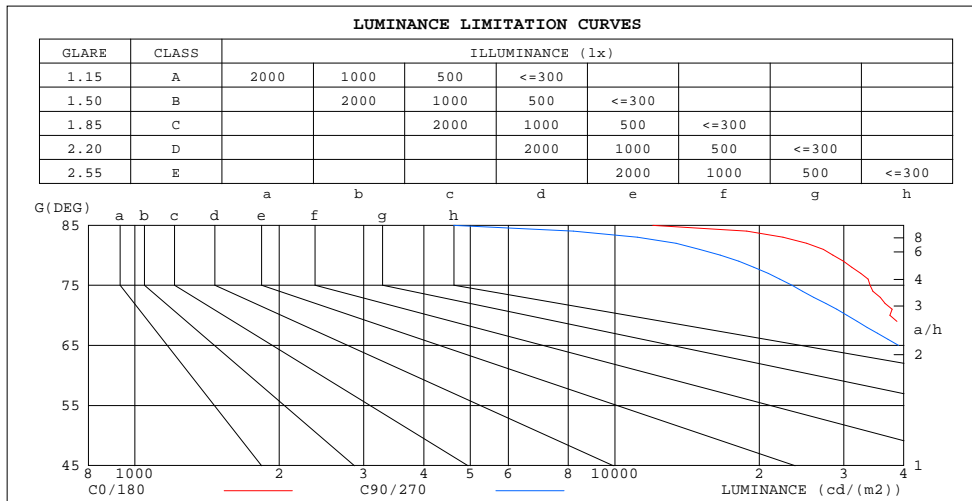
DIM.:

SERIAL No.: 2405130539

MFR.: RISE

SUR.: 0.0000785m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	11992	4612
80	28481	16594
75	34010	23407
70	37413	30441
65	44599	39020
60	49252	50648
55	61678	64026
50	88333	82478
45	151366	104081

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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

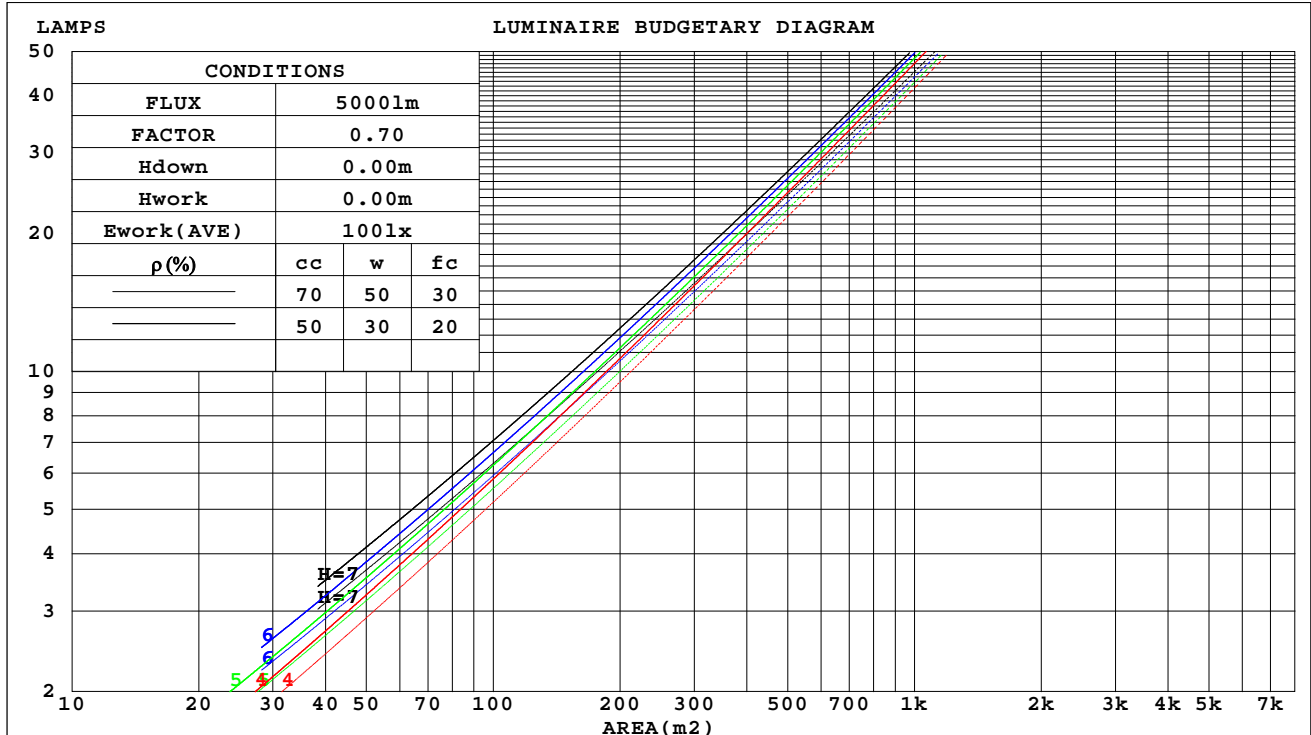
SERIAL No.: 2405130539

MFR.: RISE

SUR.: 0.0000785m2

Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



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WEC AND CCEC

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NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130539
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.112	.064	.020	.108	.062	.020	.100	.058	.018	.093	.054	.017	.087	.050	.016		
2.0	.107	.059	.018	.103	.057	.018	.097	.054	.017	.091	.051	.016	.085	.048	.015		
3.0	.101	.054	.016	.098	.053	.016	.093	.050	.015	.088	.048	.015	.083	.046	.014		
4.0	.096	.050	.015	.093	.049	.014	.088	.047	.014	.084	.045	.014	.080	.043	.013		
5.0	.090	.046	.013	.088	.045	.013	.084	.044	.013	.080	.042	.013	.077	.041	.012		
6.0	.086	.043	.012	.084	.042	.012	.080	.041	.012	.077	.040	.012	.074	.039	.011		
7.0	.081	.040	.011	.080	.040	.011	.076	.039	.011	.073	.038	.011	.071	.037	.011		
8.0	.077	.038	.011	.076	.037	.011	.073	.037	.010	.070	.036	.010	.068	.035	.010		
9.0	.074	.036	.010	.073	.035	.010	.070	.035	.010	.068	.034	.010	.065	.033	.010		
10.0	.071	.034	.009	.069	.034	.009	.067	.033	.009	.065	.032	.009	.063	.032	.009		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.116	.116	.116	.099	.099	.099	.068	.068	.068	.039	.039	.039	.012	.012	.012		
1.0	.105	.096	.088	.090	.082	.076	.061	.057	.052	.035	.033	.030	.011	.011	.010		
2.0	.096	.081	.068	.082	.070	.059	.056	.048	.041	.032	.028	.024	.010	.009	.008		
3.0	.088	.069	.054	.076	.060	.047	.052	.042	.033	.030	.024	.019	.010	.008	.006		
4.0	.082	.060	.044	.070	.052	.038	.048	.036	.027	.028	.021	.016	.009	.007	.005		
5.0	.076	.053	.036	.066	.046	.032	.045	.032	.022	.026	.019	.013	.008	.006	.004		
6.0	.072	.048	.030	.062	.041	.026	.043	.029	.019	.025	.017	.011	.008	.006	.004		
7.0	.068	.043	.026	.058	.037	.022	.040	.026	.016	.023	.015	.009	.008	.005	.003		
8.0	.064	.039	.022	.055	.034	.019	.038	.024	.014	.022	.014	.008	.007	.005	.003		
9.0	.061	.036	.019	.052	.031	.017	.036	.022	.012	.021	.013	.007	.007	.004	.002		
10.0	.058	.033	.017	.050	.029	.015	.035	.020	.010	.020	.012	.006	.007	.004	.002		

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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
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LENS:LL01ZZ-DRT 20X40R
NO DRIVER:DC 24V
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:23.945V I:0.0509A P:1.2199W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm										
NAME: 2417.201					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2405130539		
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	33.1	34.1	33.3	34.2	34.4	30.7	31.6	30.9	31.8	32.0
3H	33.3	34.2	33.5	34.4	34.6	31.0	31.9	31.3	32.1	32.3
4H	33.4	34.2	33.6	34.4	34.6	31.1	32.0	31.4	32.2	32.4
6H	33.4	34.2	33.7	34.4	34.7	31.2	32.0	31.5	32.2	32.4
8H	33.4	34.2	33.7	34.4	34.7	31.2	31.9	31.5	32.2	32.4
12H	33.4	34.1	33.7	34.4	34.7	31.1	31.8	31.4	32.1	32.4
4H 2H	33.0	33.9	33.3	34.1	34.3	30.8	31.6	31.1	31.9	32.1
3H	33.3	34.0	33.6	34.3	34.6	31.3	32.0	31.6	32.3	32.6
4H	33.5	34.1	33.8	34.4	34.7	31.5	32.1	31.8	32.4	32.7
6H	33.6	34.1	33.9	34.5	34.8	31.6	32.1	31.9	32.5	32.8
8H	33.6	34.1	34.0	34.5	34.8	31.6	32.1	32.0	32.4	32.8
12H	33.6	34.1	34.0	34.4	34.8	31.5	32.0	31.9	32.4	32.8
8H 4H	33.4	33.9	33.8	34.3	34.7	31.5	32.0	31.9	32.4	32.8
6H	33.6	34.0	34.0	34.4	34.8	31.6	32.1	32.1	32.5	32.9
8H	33.6	34.0	34.0	34.4	34.8	31.7	32.1	32.1	32.5	32.9
12H	33.6	33.9	34.1	34.4	34.8	31.6	32.0	32.1	32.4	32.9
12H 4H	33.4	33.9	33.8	34.2	34.6	31.5	32.0	31.9	32.3	32.7
6H	33.5	33.9	34.0	34.3	34.8	31.6	32.0	32.1	32.4	32.9
8H	33.6	33.9	34.0	34.3	34.8	31.7	32.0	32.1	32.4	32.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.3 / - 2.6					+ 0.9 / - 1.1				
1.5H	+ 3.8 / - 2.4					+ 0.6 / - 0.6				
2.0H	+ 3.4 / - 1.7					+ 1.8 / - 1.5				

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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UTILIZATION FACTORS TABLE

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SPEC.: 3000K	DIM.:	SERIAL No.: 2405130539
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

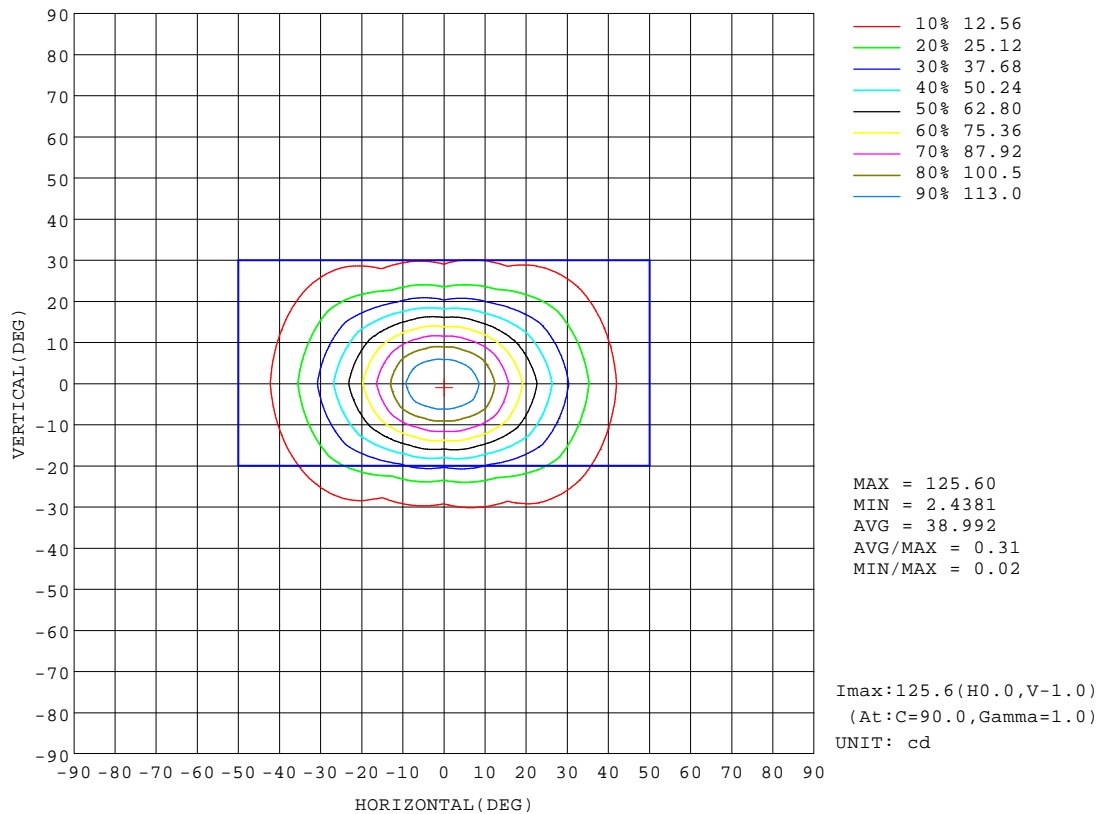
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	46	43	50	46	43	50	46	43	41
0.80	55	51	49	55	51	49	54	51	48	46
1.00	59	55	52	58	54	52	57	54	52	49
1.25	61	58	55	61	57	55	59	57	55	52
1.50	63	60	58	62	59	57	61	58	57	54
2.00	65	62	60	64	62	60	63	60	59	55
2.50	66	64	62	65	63	61	63	62	60	56
3.00	67	65	63	66	64	63	64	63	61	57
4.00	69	67	65	68	66	65	65	64	63	58
5.00	70	68	67	68	67	66	66	65	64	59
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.: 2405130539
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

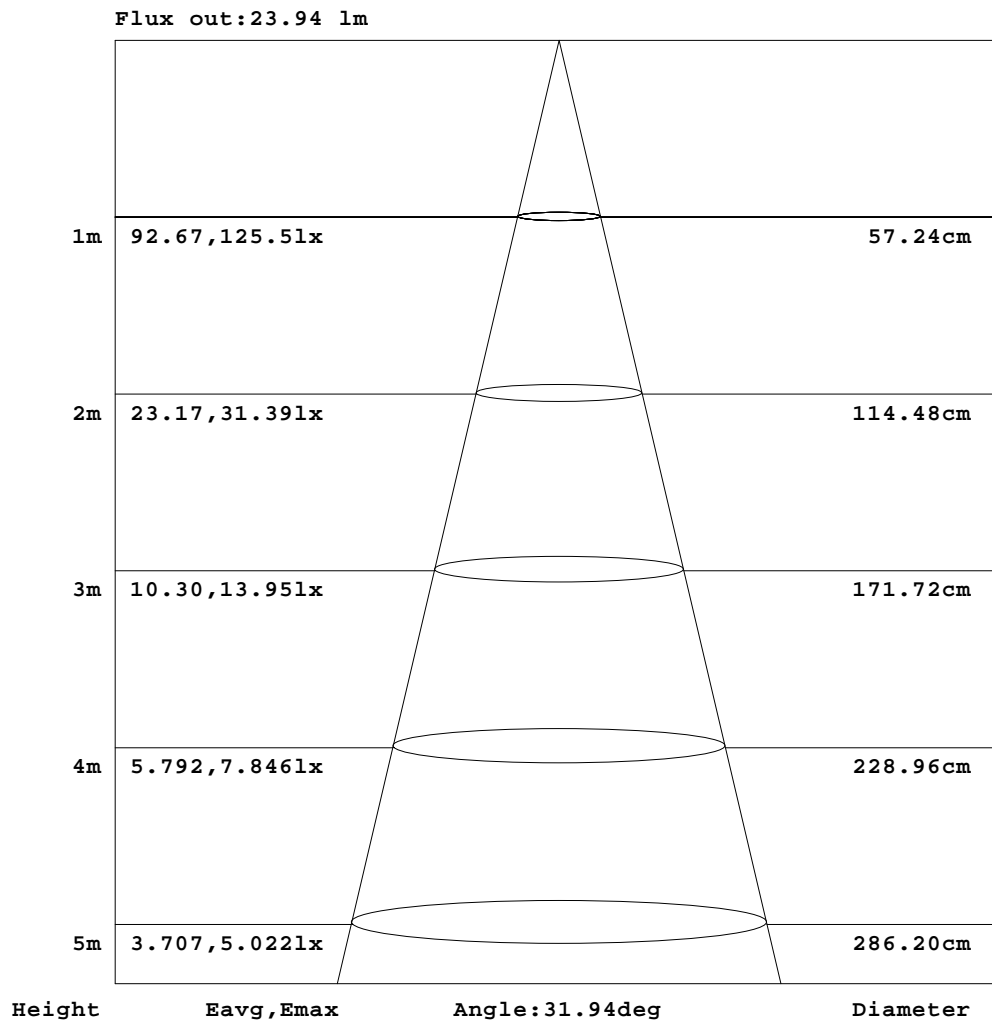


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AAI Figure

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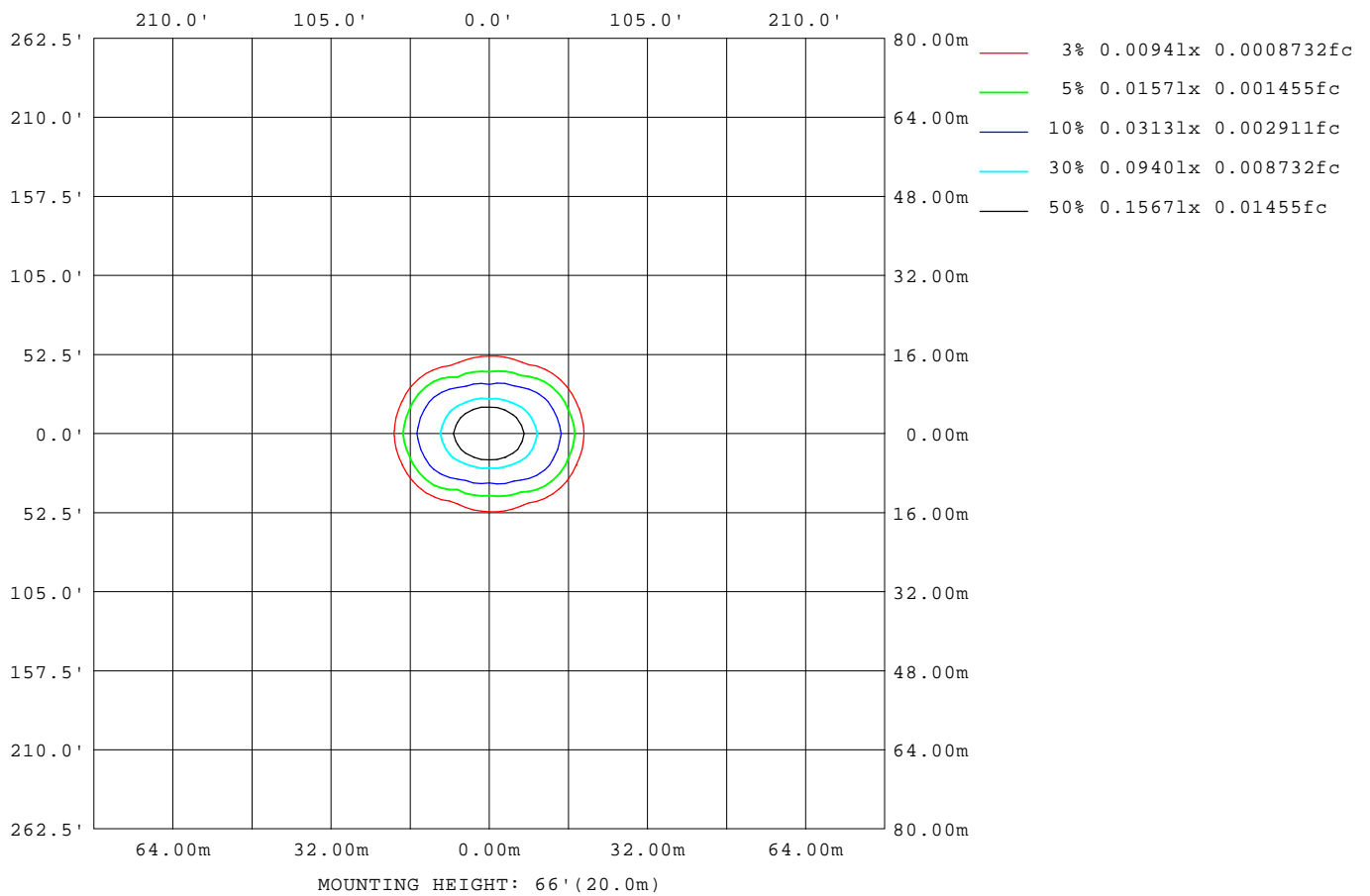
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:



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γ Range: 0 - 180DEG
γ 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 20X40R
NO DRIVER:DC 24V
30minutes warm-up

LED Avg.L Report

Test:U:23.945V I:0.0509A P:1.2199W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130539
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

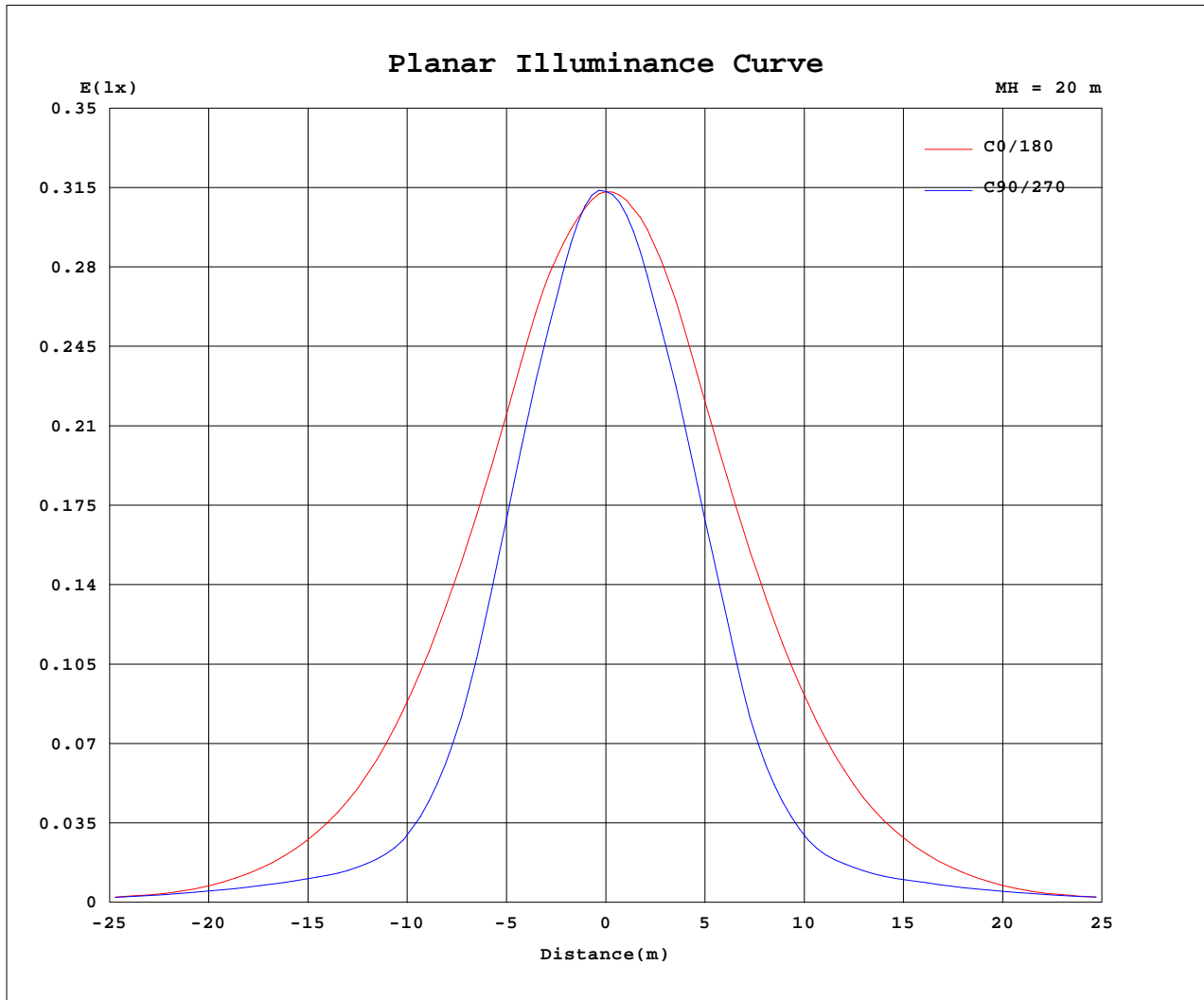
AvgL	cd/m2
L_0~180(65)av	44509
L_0~180(75)av	34044
L_0~180(85)av	13399
L_90~270(65)av	39865
L_90~270(75)av	23842
L_90~270(85)av	4714
L_45(65)av	37673
L_45(75)av	25599
L_45(85)av	9562

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

γ Range: 0 - 180DEG
γ 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 20X40R
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

γ Range: 0 - 180DEG
 γ 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 20X40R
 NO DRIVER: DC 24V
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.945V I:0.0509A P:1.2199W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130539
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	125	125	125	125	125	125	125	125	125	125	125	125						
5	120	120	119	118	119	121	122	121	118	116	117	119						
10	109	107	99.2	96.2	99.0	108	111	107	99.1	95.4	97.6	105						
15	90.7	87.0	75.2	68.3	74.3	86.9	93.2	86.9	75.7	68.6	73.7	83.8						
20	72.3	65.8	48.9	39.4	48.0	65.2	74.6	66.3	50.4	39.2	48.3	62.8						
25	54.7	47.0	28.3	20.4	27.1	46.8	56.4	47.5	27.8	20.5	28.0	45.0						
30	38.7	32.1	15.7	11.8	14.4	31.8	40.0	32.2	14.7	11.6	15.7	30.7						
35	25.8	20.7	10.1	8.77	9.11	20.1	26.3	20.5	9.21	8.50	9.77	19.6						
40	15.8	12.5	7.34	7.29	6.80	11.9	16.3	12.5	6.82	7.13	7.24	12.1						
45	8.41	7.44	5.54	5.78	5.37	7.19	8.61	7.42	5.33	5.65	5.46	7.35						
50	4.46	4.23	4.06	4.16	4.11	4.15	4.42	4.18	4.02	4.21	4.15	4.23						
55	2.78	2.67	2.86	2.88	2.89	2.58	2.87	2.63	2.91	2.95	2.93	2.73						
60	1.93	1.85	1.95	1.99	1.93	1.71	2.01	1.74	1.96	2.03	2.03	1.86						
65	1.48	1.29	1.29	1.30	1.25	1.20	1.47	1.22	1.28	1.35	1.34	1.26						
70	1.01	0.87	0.84	0.82	0.81	0.83	1.07	0.85	0.81	0.84	0.84	0.83						
75	0.69	0.55	0.53	0.48	0.50	0.53	0.69	0.55	0.51	0.49	0.52	0.53						
80	0.39	0.31	0.28	0.23	0.26	0.31	0.49	0.32	0.28	0.25	0.27	0.29						
85	0.08	0.09	0.07	0.03	0.02	0.08	0.10	0.07	0.06	0.03	0.06	0.08						
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
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Temperature:25.3℃
Operators:zoe
Test Date:2024-5-13

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