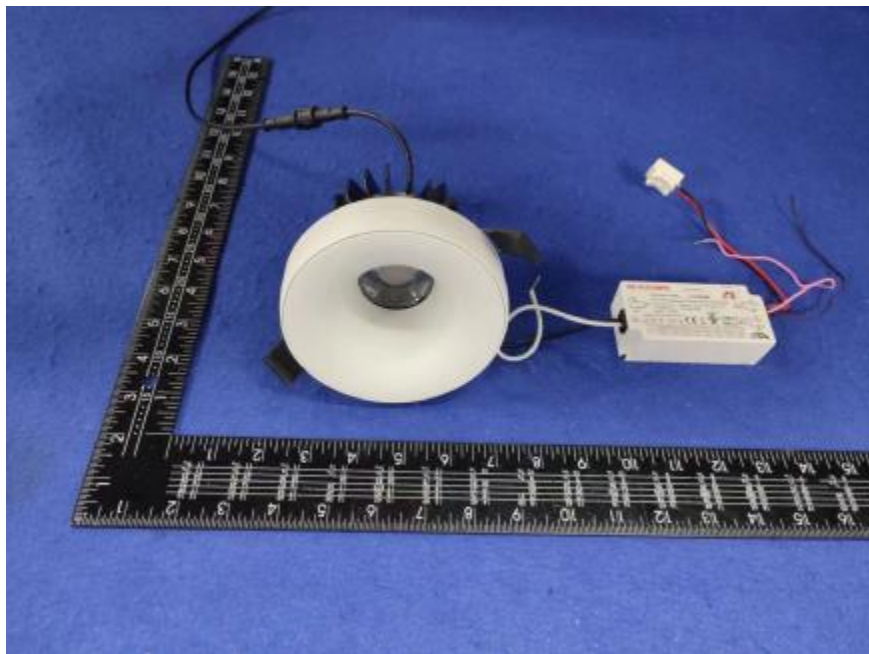


## Luminaire Photograph



Light Output Ratio:	70.4%	
Luminaire Power:	17.63 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: 2023-11-1

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: BXRV-DR-1830G-1000-K-23 Ra: 90  
LENS: PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

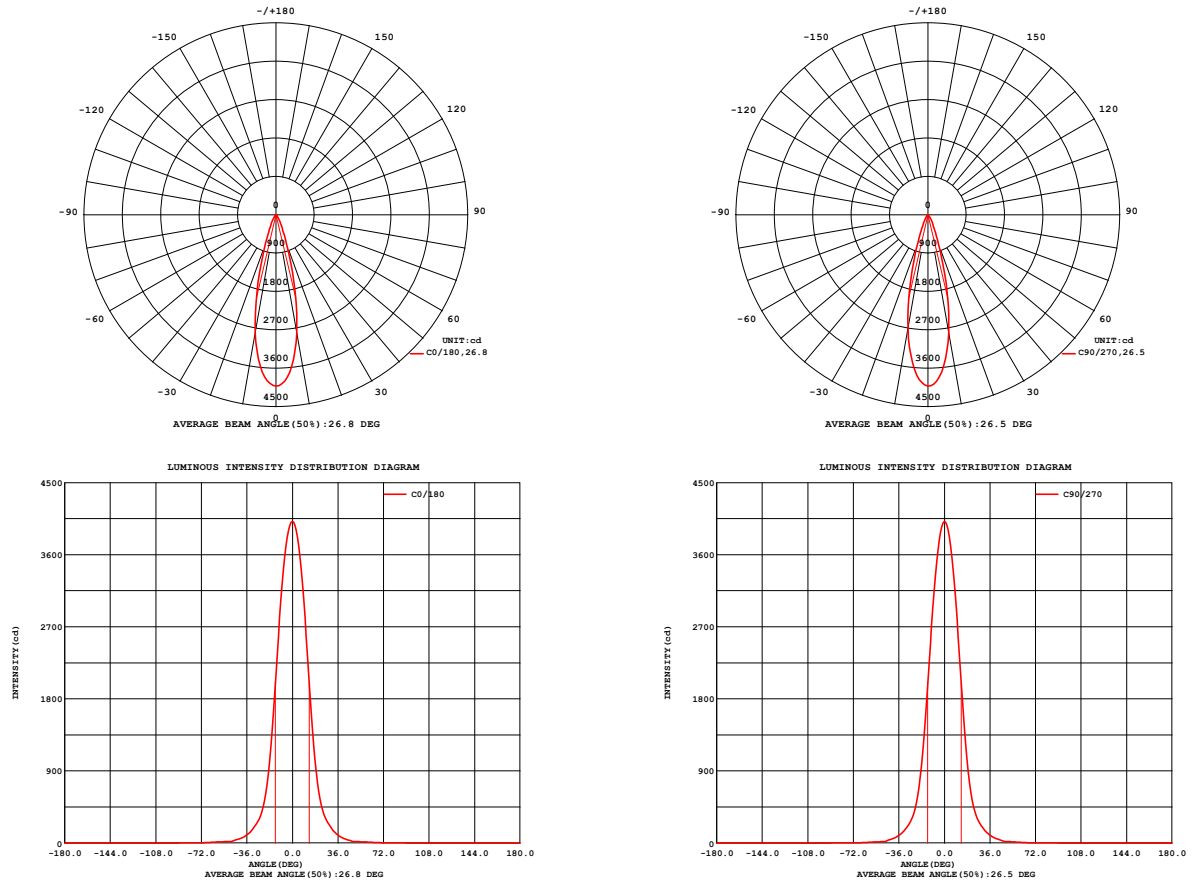


Fig. C0/C180

Fig. C90/C270

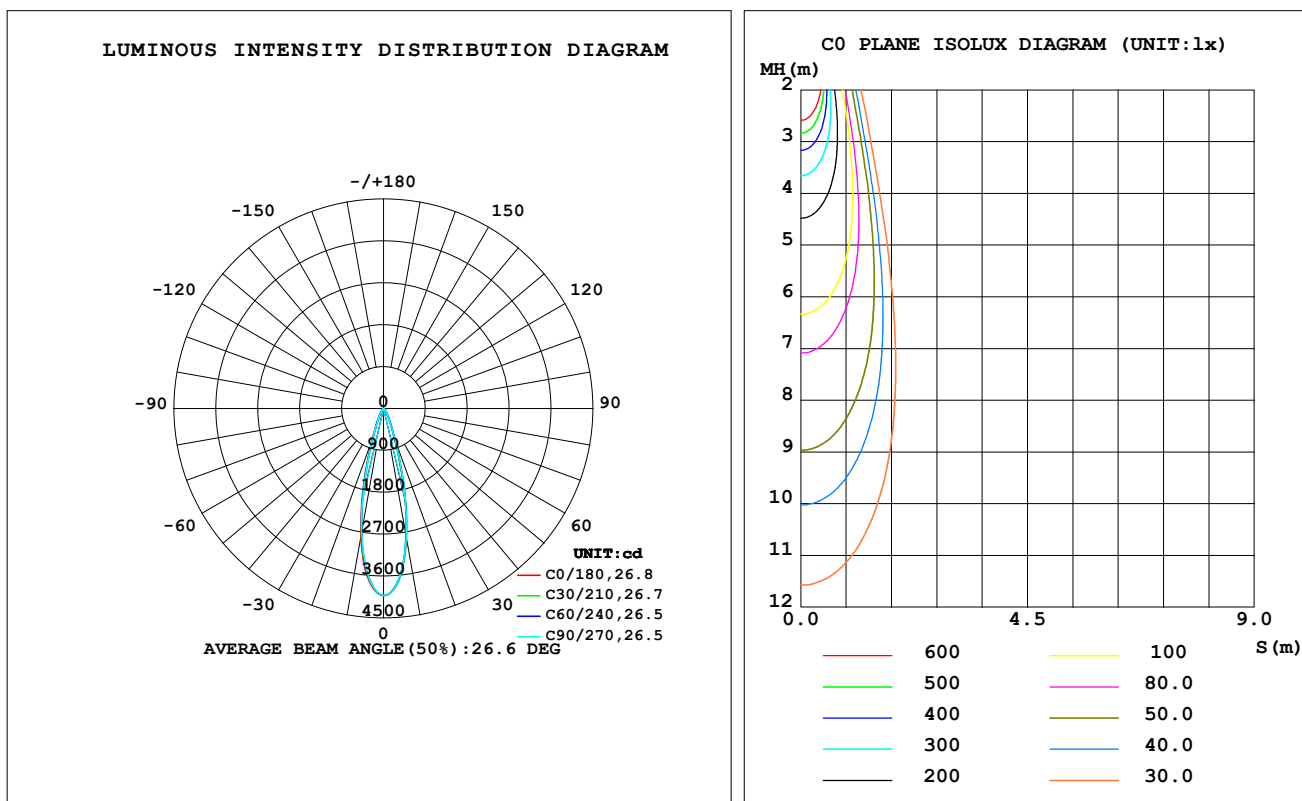
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-11-1

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: BXR-V-DR-1830G-1000-K-23 Ra: 90  
LENS: PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.63 lm/W
MODEL	Bridgelux	I <sub>max</sub> (cd)	4014	S/MH (C0/180)	0.44	
NOMINAL POWER (W)	17	LOR (%)	70.4	S/MH (C90/270)	0.43	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1051.6	η UP, DN (C0-180)	0.0, 35.8	
NOMINAL FLUX (lm)	1493.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 34.6	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	120	η down (%)	70.4	CIBSE SHR MAX	0.30	



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-11-1

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: BXR-V-DR-1830G-1000-K-23 Ra: 90  
LENS: PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2821	2821	2811	2833	2810	2739	2713	2755	0- 10	323.0	323.0	30.7,21.6
20	740.1	749.2	744.6	745.1	725.5	698.5	693.6	716.2	10- 20	439.5	762.5	72.5,51
30	204.5	198.1	198.6	205.1	200.0	186.4	185.5	197.6	20- 30	170.5	932.9	88.7,62.5
40	62.00	61.57	62.42	64.83	63.32	60.35	59.44	59.69	30- 40	71.92	1005	95.6,67.3
50	17.96	17.81	17.46	18.55	18.53	17.61	16.61	17.44	40- 50	26.45	1031	98.1,69
60	11.82	10.50	8.547	11.21	12.59	10.51	8.176	10.45	50- 60	12.94	1044	99.3,69.9
70	3.418	2.754	1.802	2.981	3.615	2.748	1.766	2.762	60- 70	6.090	1050	99.9,70.3
80	0.3867	0.2428	0.1614	0.2651	0.3966	0.2288	0.1555	0.2395	70- 80	1.228	1052	100,70.4
90	0	0	0	0	0	0	0	0	80- 90	0.0876	1052	100,70.4
100	0	0	0	0	0	0	0	0	90-100	0	1052	100,70.4
110	0	0	0	0	0	0	0	0	100-110	0	1052	100,70.4
120	0	0	0	0	0	0	0	0	110-120	0	1052	100,70.4
130	0	0	0	0	0	0	0	0	120-130	0	1052	100,70.4
140	0	0	0	0	0	0	0	0	130-140	0	1052	100,70.4
150	0	0	0	0	0	0	0	0	140-150	0	1052	100,70.4
160	0	0	0	0	0	0	0	0	150-160	0	1052	100,70.4
170	0	0	0	0	0	0	0	0	160-170	0	1052	100,70.4
180	0	0	0	0	0	0	0	0	170-180	0	1052	100,70.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-1

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:BXRV-DR-1830G-1000-K-23 Ra:90  
LENS:PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.223-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

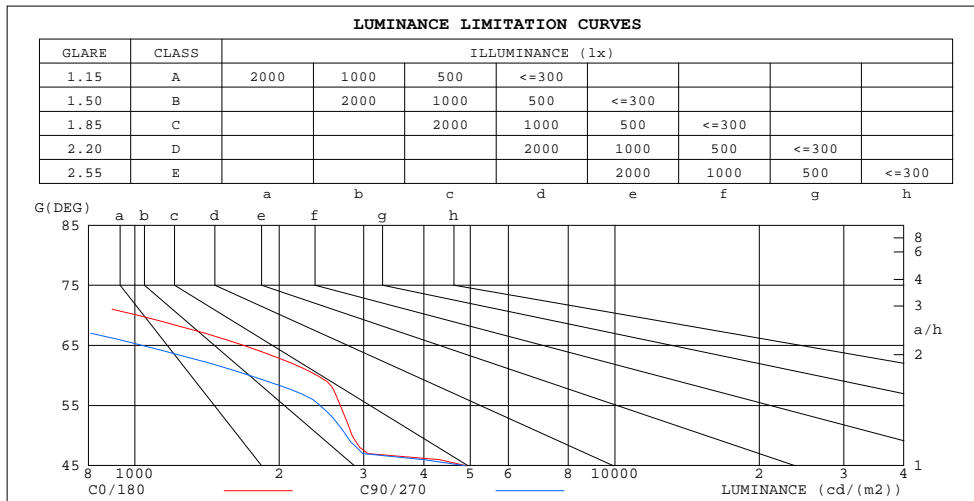
DIM.:

SERIAL No.: 2311011297

MFR.: RISE

SUR.: 0.00984704m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	97	168
80	226	94
75	522	249
70	1015	535
65	1685	1036
60	2401	1736
55	2680	2433
50	2839	2759
45	4901	4882

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:zoe  
Test Date:2023-11-1

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:BXRV-DR-1830G-1000-K-23 Ra:90  
LENS:PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.223-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

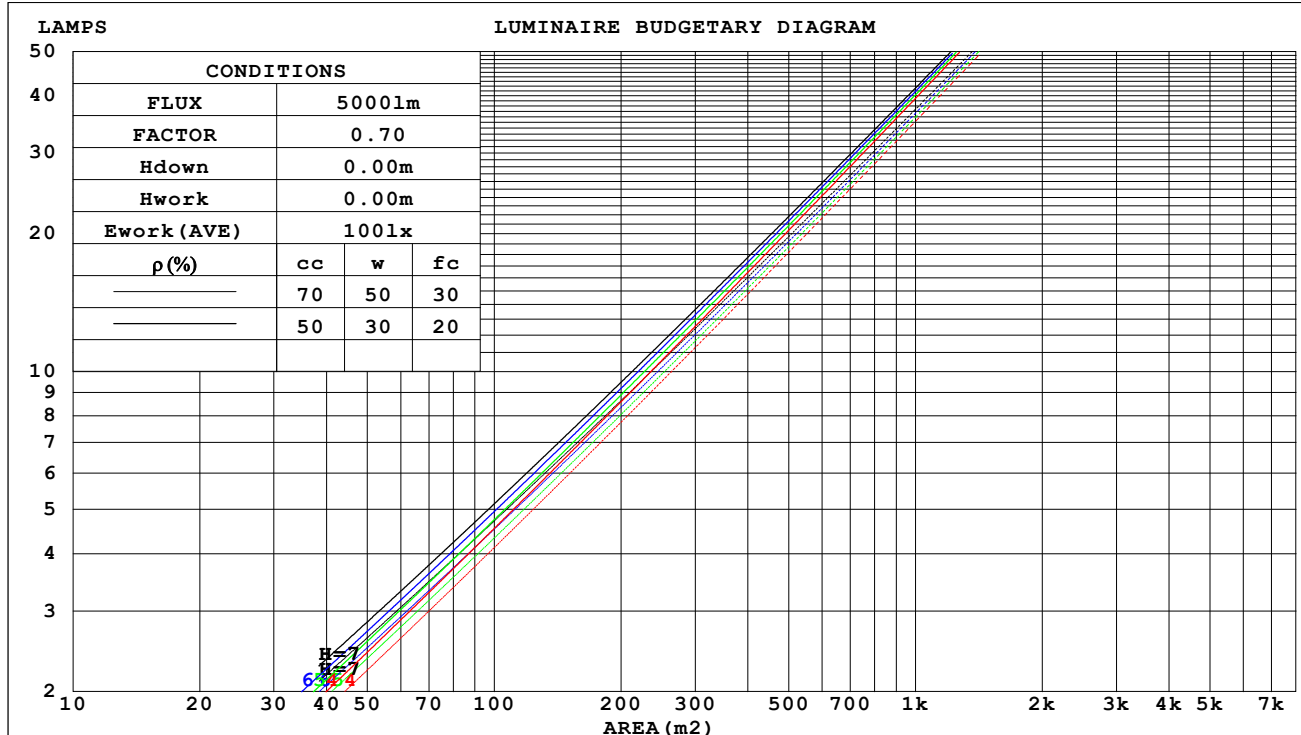
SERIAL No.: 2311011297

MFR.: RISE

SUR.: 0.00984704m2

Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)															
0.0	.84	.84	.84	.82	.82	.82	.78	.78	.78	.75	.75	.75	.72	.72	.72	.70
1.0	.79	.78	.76	.78	.76	.75	.75	.74	.73	.72	.71	.71	.70	.69	.69	.67
2.0	.75	.73	.71	.74	.72	.70	.72	.70	.68	.70	.68	.67	.68	.67	.66	.65
3.0	.71	.69	.66	.70	.68	.66	.69	.67	.65	.67	.65	.64	.65	.64	.63	.62
4.0	.68	.65	.63	.67	.65	.62	.66	.64	.62	.65	.63	.61	.63	.62	.60	.59
5.0	.65	.62	.60	.65	.62	.59	.63	.61	.59	.62	.60	.58	.61	.60	.58	.57
6.0	.63	.59	.57	.62	.59	.57	.61	.59	.57	.60	.58	.56	.59	.57	.56	.55
7.0	.60	.57	.55	.60	.57	.55	.59	.56	.54	.58	.56	.54	.58	.56	.54	.53
8.0	.58	.55	.53	.58	.55	.53	.57	.55	.53	.57	.54	.52	.56	.54	.52	.51
9.0	.56	.53	.51	.56	.53	.51	.55	.53	.51	.55	.52	.51	.54	.52	.51	.50
10.0	.55	.51	.49	.54	.51	.49	.54	.51	.49	.53	.51	.49	.53	.51	.49	.48



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-1

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:BXRV-DR-1830G-1000-K-23 Ra:90  
LENS:PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## WEC AND CCEC

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

pcc	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 Coefficients(WEC)									
0.0																
1.0	.104	.059	.019	.099	.056	.018	.090	.052	.017	.082	.047	.015	.075	.043	.014	
2.0	.097	.053	.016	.093	.051	.016	.086	.048	.015	.079	.044	.014	.073	.041	.013	
3.0	.091	.048	.015	.088	.047	.014	.082	.044	.013	.076	.042	.013	.071	.039	.012	
4.0	.086	.045	.013	.083	.043	.013	.078	.041	.012	.073	.039	.012	.068	.037	.011	
5.0	.081	.041	.012	.078	.040	.012	.074	.039	.011	.070	.037	.011	.066	.035	.011	
6.0	.077	.038	.011	.075	.038	.011	.071	.036	.011	.067	.035	.010	.064	.034	.010	
7.0	.073	.036	.010	.071	.035	.010	.068	.034	.010	.064	.033	.010	.062	.032	.009	
8.0	.069	.034	.010	.068	.033	.009	.065	.032	.009	.062	.031	.009	.059	.031	.009	
9.0	.066	.032	.009	.065	.032	.009	.062	.031	.009	.060	.030	.009	.057	.029	.008	
10.0	.063	.030	.008	.062	.030	.008	.060	.029	.008	.058	.029	.008	.056	.028	.008	

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	.134	.134	.134	.115	.115	.115	.078	.078	.078	.045	.045	.045	.014	.014	.014	
1.0	.119	.111	.104	.102	.095	.089	.070	.066	.062	.040	.038	.036	.013	.012	.012	
2.0	.107	.093	.082	.091	.080	.071	.063	.056	.050	.036	.032	.029	.012	.010	.009	
3.0	.097	.080	.066	.083	.069	.057	.057	.048	.040	.033	.028	.024	.011	.009	.008	
4.0	.088	.069	.054	.076	.060	.047	.052	.042	.033	.030	.024	.020	.010	.008	.006	
5.0	.081	.061	.045	.070	.052	.039	.048	.037	.028	.028	.021	.017	.009	.007	.005	
6.0	.075	.054	.038	.065	.046	.033	.045	.033	.024	.026	.019	.014	.008	.006	.005	
7.0	.070	.048	.033	.060	.042	.028	.042	.029	.020	.024	.017	.012	.008	.006	.004	
8.0	.065	.043	.028	.056	.038	.024	.039	.026	.017	.023	.016	.010	.007	.005	.003	
9.0	.062	.039	.024	.053	.034	.021	.037	.024	.015	.021	.014	.009	.007	.005	.003	
10.0	.058	.036	.021	.050	.031	.019	.035	.022	.013	.020	.013	.008	.007	.004	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-1

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:BXRV-DR-1830G-1000-K-23 Ra:90  
LENS:PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm										
NAME: 2318.223-LEA-15-DW					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2311011297		
MFR.: RISE					SUR.: 0.00984704m2			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	9.2	9.9	9.4	10.1	10.3	8.8	9.6	9.0	9.7	9.9
3H	9.3	10.0	9.6	10.2	10.4	8.8	9.5	9.0	9.6	9.8
4H	9.3	9.9	9.5	10.1	10.3	8.7	9.4	9.0	9.6	9.8
6H	9.2	9.8	9.5	10.0	10.3	8.6	9.2	8.9	9.5	9.7
8H	9.2	9.7	9.5	10.0	10.2	8.6	9.2	8.9	9.4	9.7
12H	9.1	9.7	9.4	9.9	10.2	8.5	9.1	8.9	9.4	9.6
4H 2H	9.2	9.8	9.5	10.0	10.3	8.8	9.5	9.1	9.7	9.9
3H	9.3	9.9	9.6	10.1	10.4	8.8	9.3	9.1	9.6	9.9
4H	9.3	9.8	9.6	10.1	10.4	8.7	9.2	9.0	9.5	9.8
6H	9.2	9.6	9.6	10.0	10.3	8.6	9.1	9.0	9.4	9.7
8H	9.1	9.6	9.5	9.9	10.3	8.6	9.0	8.9	9.3	9.7
12H	9.1	9.5	9.5	9.8	10.2	8.5	8.9	8.9	9.3	9.6
8H 4H	9.1	9.6	9.5	9.9	10.3	8.6	9.0	9.0	9.3	9.7
6H	9.0	9.4	9.5	9.8	10.2	8.5	8.8	8.9	9.2	9.6
8H	9.0	9.3	9.4	9.7	10.1	8.4	8.7	8.9	9.1	9.6
12H	8.9	9.2	9.4	9.6	10.1	8.4	8.6	8.8	9.1	9.5
12H 4H	9.1	9.5	9.5	9.8	10.2	8.5	8.9	8.9	9.3	9.7
6H	9.0	9.3	9.4	9.7	10.1	8.4	8.7	8.9	9.1	9.6
8H	8.9	9.2	9.4	9.6	10.1	8.3	8.6	8.8	9.1	9.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.0 / - 2.9					+ 2.3 / - 3.7				
1.5H	+ 3.6 / - 2.6					+ 3.9 / - 2.9				
2.0H	+ 2.6 / - 1.5					+ 3.4 / - 2.9				

CIE Pub.117, 1494 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)  
Area: 0.00984704 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-1

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:BXRV-DR-1830G-1000-K-23 Ra:90  
LENS:PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

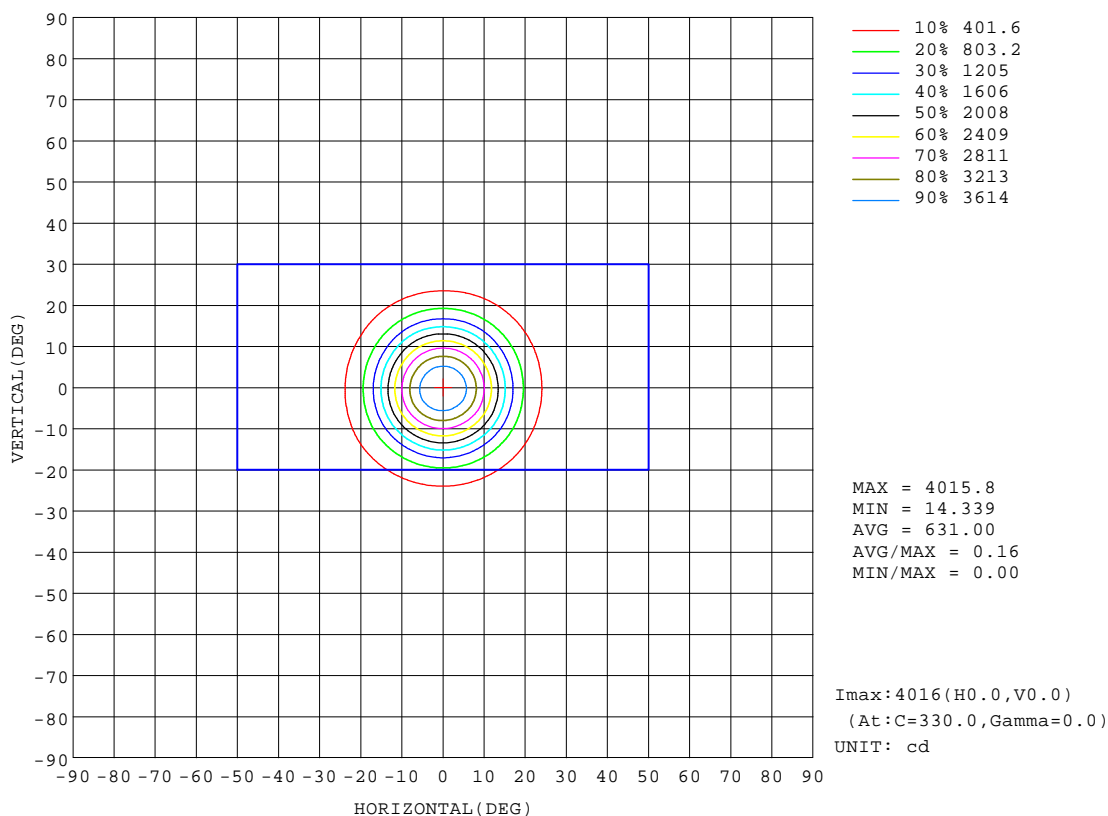
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	58	56	62	58	56	62	58	55	53
0.80	68	64	61	67	63	61	66	63	61	58
1.00	71	67	64	70	66	64	69	66	64	61
1.25	73	70	67	72	69	67	71	68	67	64
1.50	75	72	70	74	71	69	73	70	68	65
2.00	77	74	72	76	73	71	74	72	70	67
2.50	78	75	73	77	74	73	75	73	71	67
3.00	79	77	75	78	76	74	75	74	72	68
4.00	80	78	77	79	77	76	76	75	74	69
5.00	81	80	78	80	78	77	77	76	75	70
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-11-1

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: BXRV-DR-1830G-1000-K-23 Ra: 90  
LENS: PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

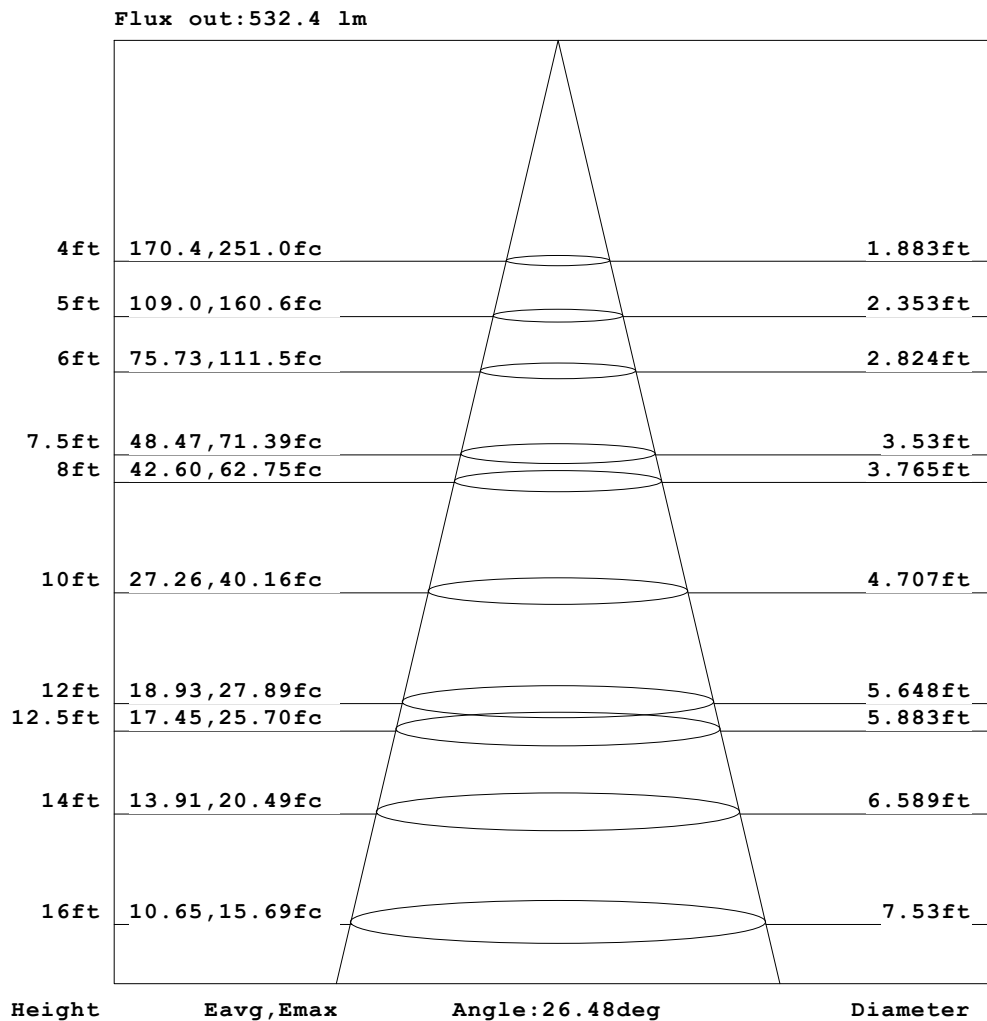


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-11-1

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: BXR-V-DR-1830G-1000-K-23 Ra: 90  
LENS: PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## AAI Figure

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:



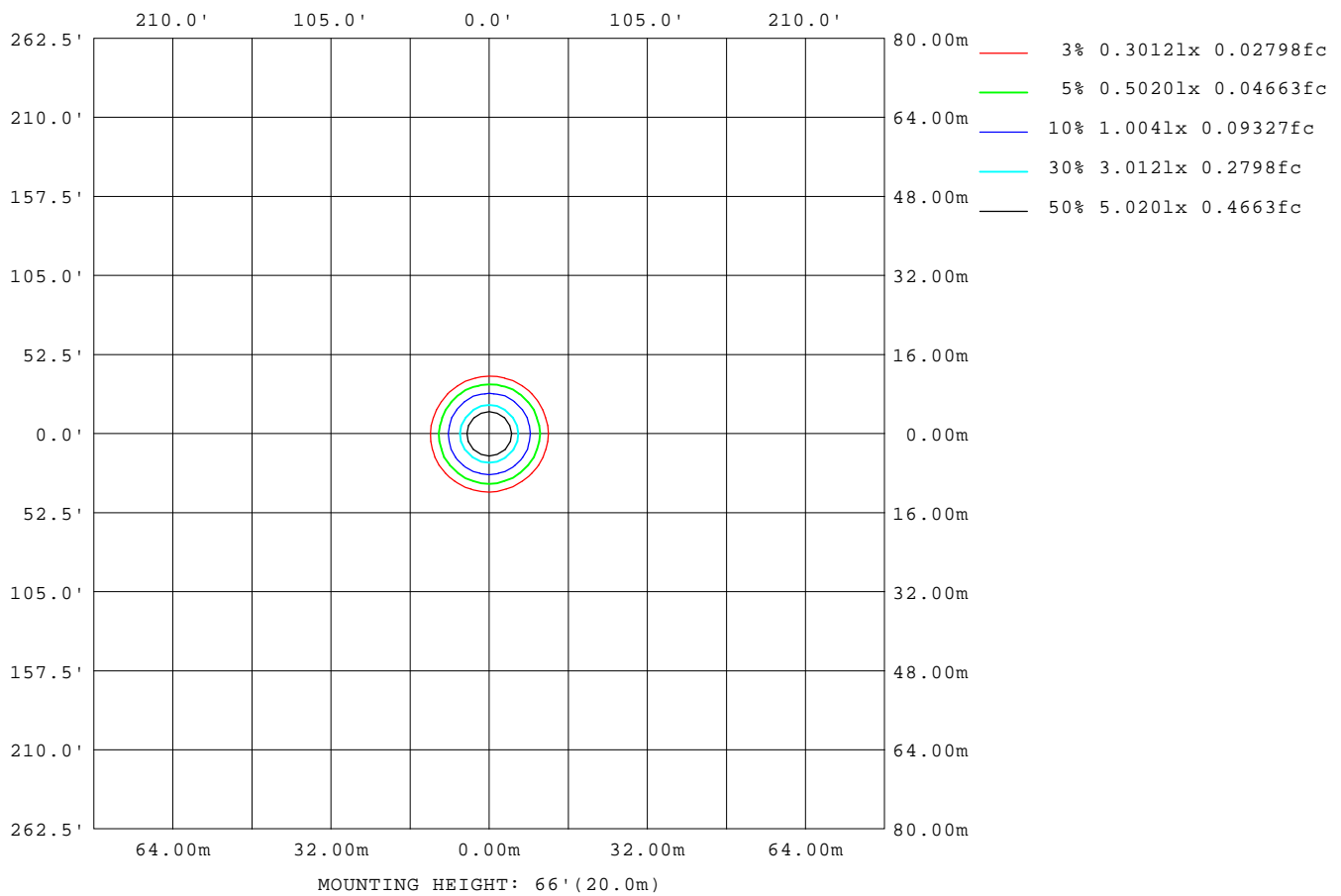
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-11-1

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: BXR-V-DR-1830G-1000-K-23 Ra: 90  
LENS: PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-11-1

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: BXR-V-DR-1830G-1000-K-23 Ra: 90  
LENS: PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### LED Avg.L Report

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

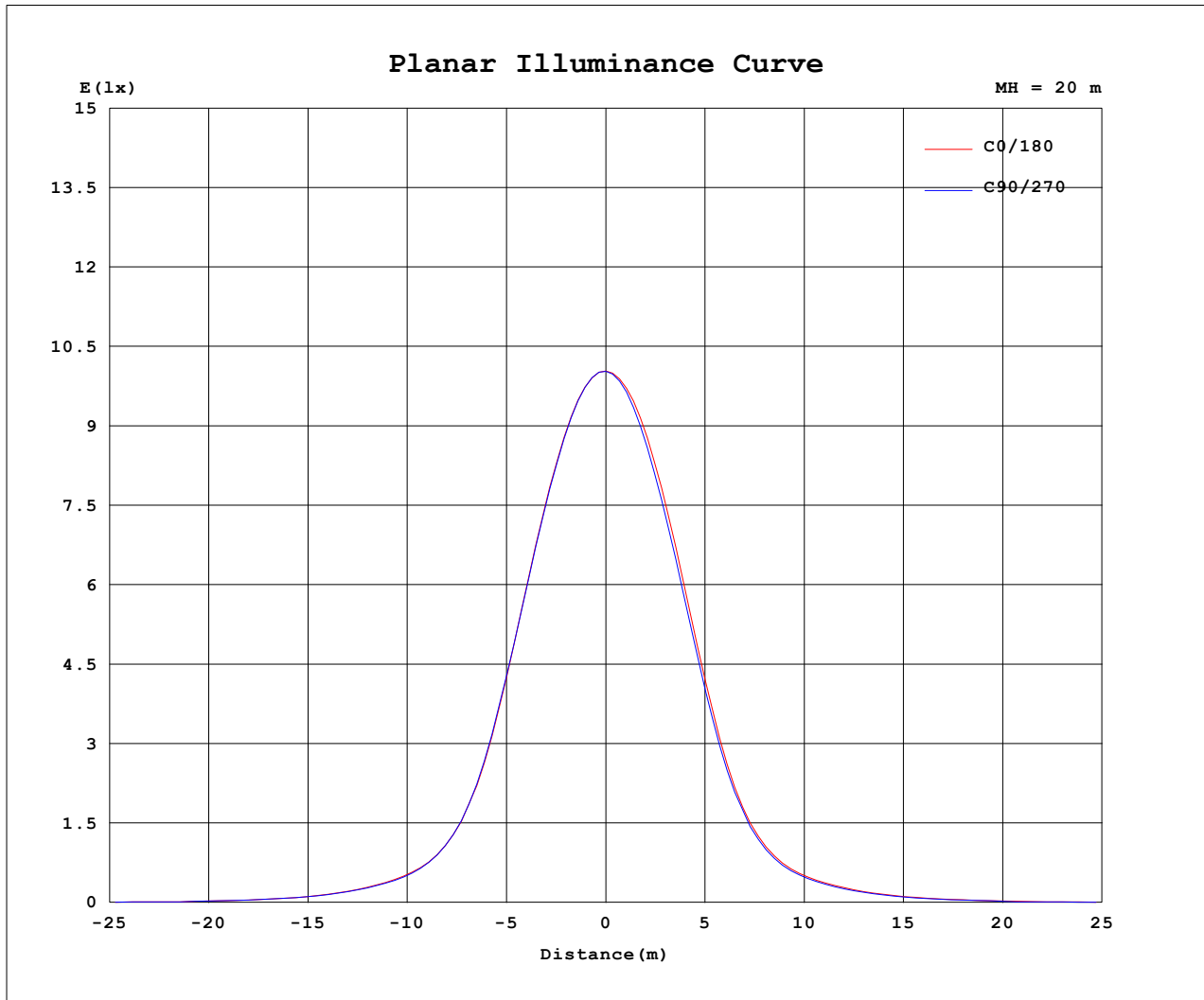
AvgL	cd/m2
L_0~180 (65) av	1740
L_0~180 (75) av	535
L_0~180 (85) av	93
L_90~270 (65) av	1018
L_90~270 (75) av	242
L_90~270 (85) av	115
L_45 (65) av	1461
L_45 (75) av	393
L_45 (85) av	38

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-1

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:BXRV-DR-1830G-1000-K-23 Ra:90  
LENS:PM-1096A 24R  
DRIVER: PUP20A-1WMC 450mA  
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: 2023-11-1

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: BXRV-DR-1830G-1000-K-23 Ra: 90  
 LENS: PM-1096A 24R  
 DRIVER: PUP20A-1WMC 450mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1477A P:17.635W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011297
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4014	4014	4014	4014	4014	4014	4014	4014	4014	4014	4014	4014						
5	3709	3719	3700	3703	3716	3726	3702	3661	3645	3640	3658	3680						
10	2821	2840	2802	2811	2825	2841	2810	2749	2728	2713	2739	2771						
15	1638	1672	1646	1656	1642	1656	1624	1562	1575	1552	1575	1589						
20	740	757	741	745	739	751	725	697	700	694	710	722						
25	355	354	347	349	353	357	342	326	327	325	339	350						
30	205	202	194	199	202	208	200	187	185	185	194	201						
35	114	113	109	112	115	117	113	107	106	106	108	111						
40	62.0	62.5	60.6	62.4	64.7	64.9	63.3	60.6	60.1	59.4	59.5	59.9						
45	34.1	35.1	33.7	34.0	35.9	36.9	36.0	35.0	33.4	31.2	32.8	33.1						
50	18.0	18.0	17.6	17.5	18.2	18.9	18.5	18.0	17.2	16.6	17.1	17.7						
55	15.1	15.1	14.2	13.7	14.7	15.9	15.8	15.3	14.0	13.2	13.9	15.0						
60	11.8	11.6	9.39	8.55	9.88	12.5	12.6	11.7	9.27	8.18	9.35	11.6						
65	7.01	6.91	4.92	4.31	5.21	7.53	7.47	7.03	4.87	4.16	4.97	6.89						
70	3.42	3.36	2.14	1.80	2.28	3.68	3.61	3.39	2.11	1.77	2.16	3.37						
75	1.33	1.22	0.74	0.63	0.76	1.38	1.40	1.22	0.71	0.60	0.73	1.25						
80	0.39	0.29	0.19	0.16	0.19	0.34	0.40	0.29	0.17	0.16	0.17	0.31						
85	0.08	0.04	0.06	0.14	0.02	0.05	0.08	0.03	0.03	0.05	0.03	0.04						
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:2023-11-1

γ Range: 0 - 180DEG  
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Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
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