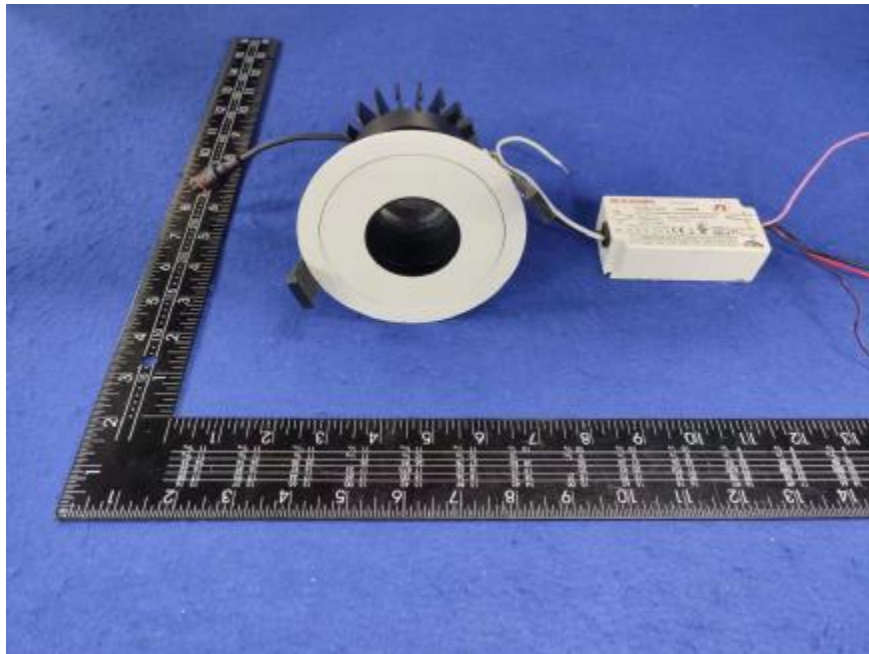


### Luminaire Photograph



Light Output Ratio:	52.8%	
Luminaire Power:	17.66 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: 2023-10-23

$\gamma$  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

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

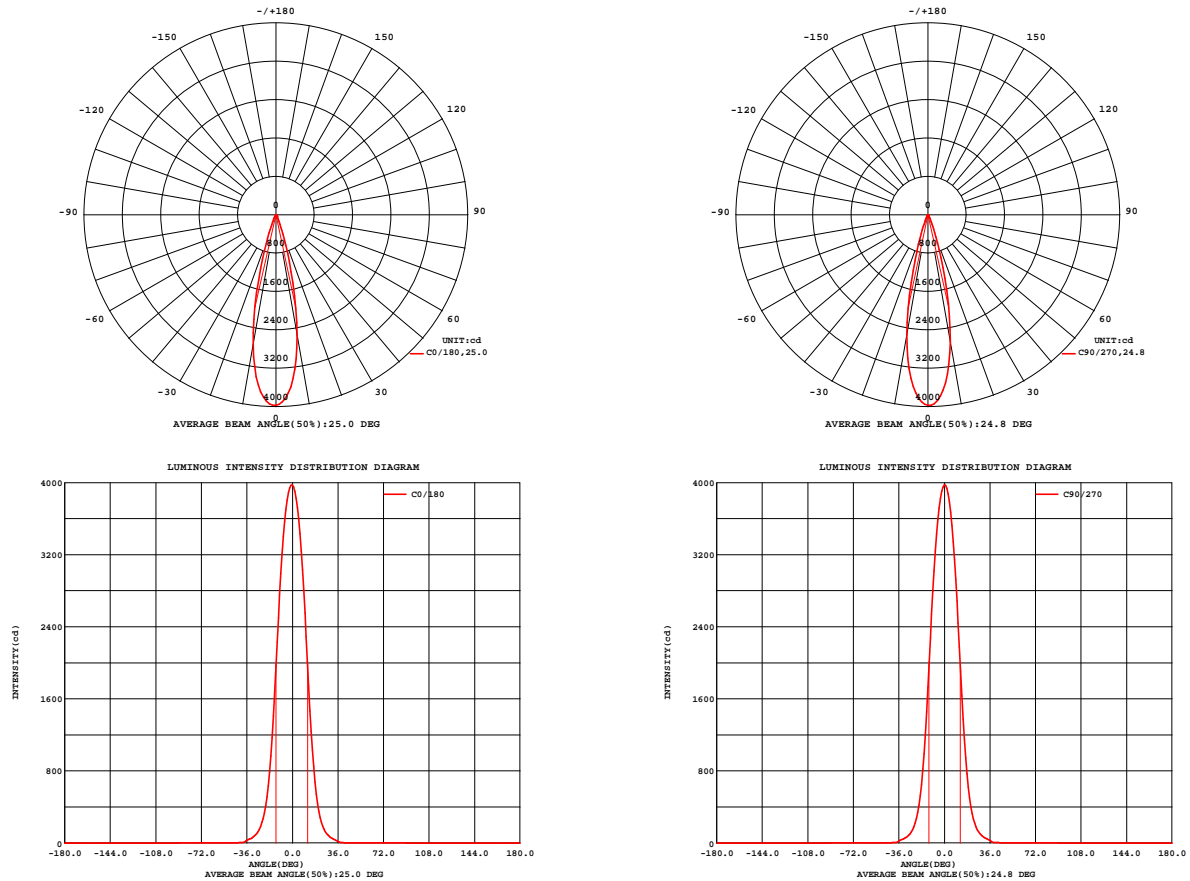


Fig. C0/C180

Fig. C90/C270

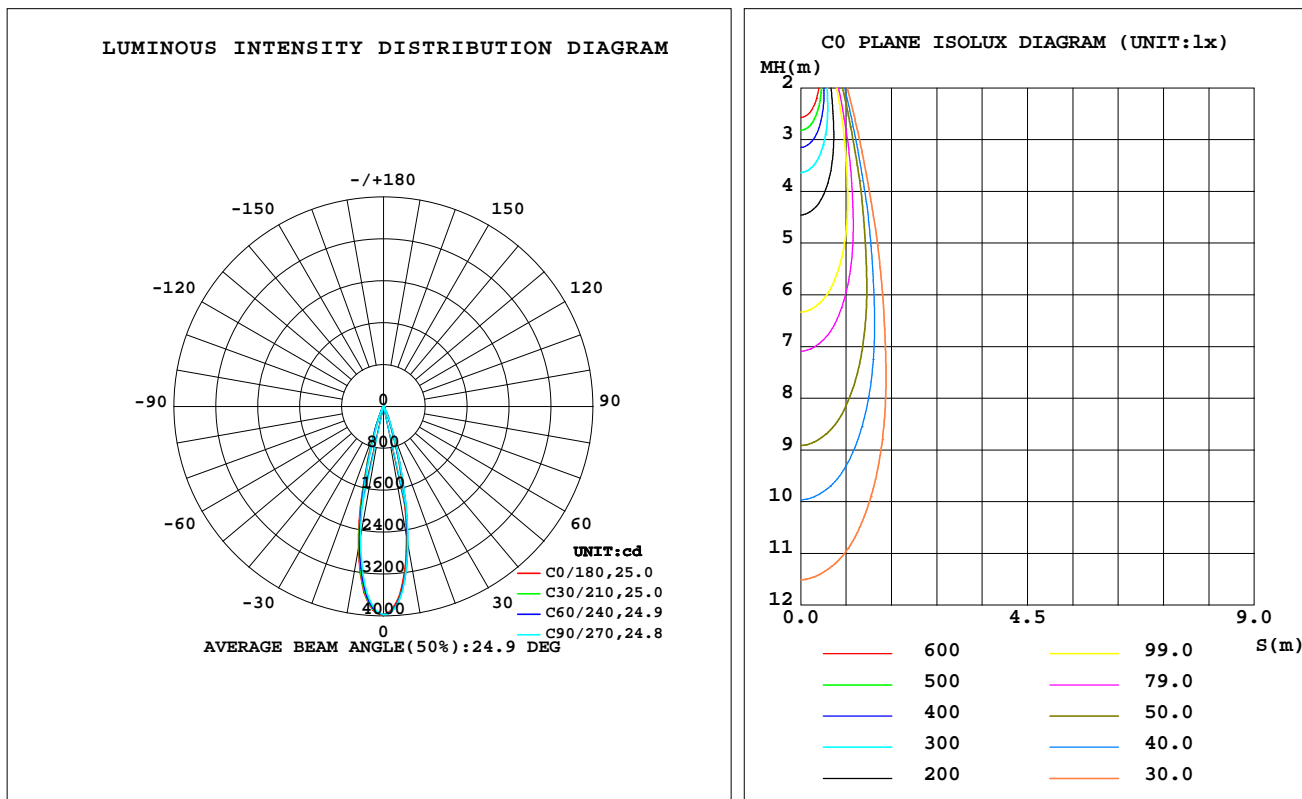
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-10-23

$\gamma$  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

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 44.62 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	3976	S/MH(C0/180)	0.41
NOMINAL POWER(W)	18	LOR(%)	52.8	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	787.99	η UP,DN(C0-180)	0.0,27.0
NOMINAL FLUX(lm)	1493.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,25.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	52.8	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-23

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

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2553	2643	2688	2738	2753	2668	2539	2481	0- 10	314.8	314.8	40,21.1
20	434.1	480.4	500.7	519.1	511.5	475.3	420.1	403.4	10- 20	363.1	677.9	86,45.4
30	63.69	70.85	76.24	79.27	75.75	67.55	62.45	60.12	20- 30	87.44	765.3	97.1,51.2
40	3.813	5.358	5.613	5.308	5.106	5.577	4.451	3.509	30- 40	19.16	784.5	99.6,52.5
50	0.7327	1.590	1.589	1.309	1.258	1.727	1.121	0.6941	40- 50	1.921	786.4	99.8,52.7
60	0.4136	0.8752	0.9059	0.8302	0.8068	1.030	0.6331	0.3855	50- 60	0.8868	787.3	99.9,52.7
70	0.0926	0.2898	0.3711	0.3760	0.3697	0.4059	0.2061	0.0717	60- 70	0.4864	787.8	100,52.7
80	0.0633	0.0622	0.0755	0.1030	0.1276	0.0968	0.0535	0.0413	70- 80	0.1729	788.0	100,52.8
90	0	0	0	0	0	0	0	0	80- 90	0.0328	788.0	100,52.8
100	0	0	0	0	0	0	0	0	90-100	0	788.0	100,52.8
110	0	0	0	0	0	0	0	0	100-110	0	788.0	100,52.8
120	0	0	0	0	0	0	0	0	110-120	0	788.0	100,52.8
130	0	0	0	0	0	0	0	0	120-130	0	788.0	100,52.8
140	0	0	0	0	0	0	0	0	130-140	0	788.0	100,52.8
150	0	0	0	0	0	0	0	0	140-150	0	788.0	100,52.8
160	0	0	0	0	0	0	0	0	150-160	0	788.0	100,52.8
170	0	0	0	0	0	0	0	0	160-170	0	788.0	100,52.8
180	0	0	0	0	0	0	0	0	170-180	0	788.0	100,52.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-23

$\gamma$  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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.138-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

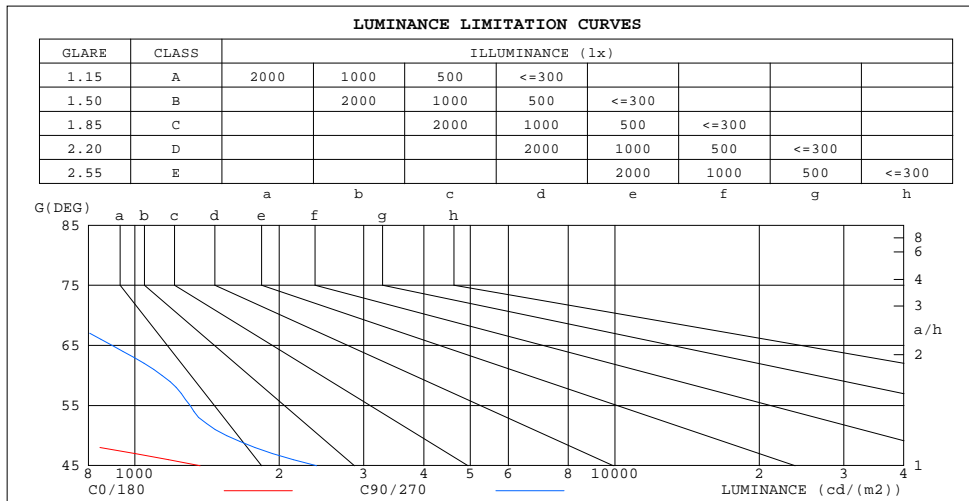
DIM.:

SERIAL No.: 2310231258

MFR.: RISE

SUR.: 0.001589625m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	354	143
80	229	274
75	167	488
70	170	683
65	339	897
60	521	1140
55	647	1305
50	717	1554
45	1369	2391

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:zoe  
Test Date:2023-10-23

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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.138-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

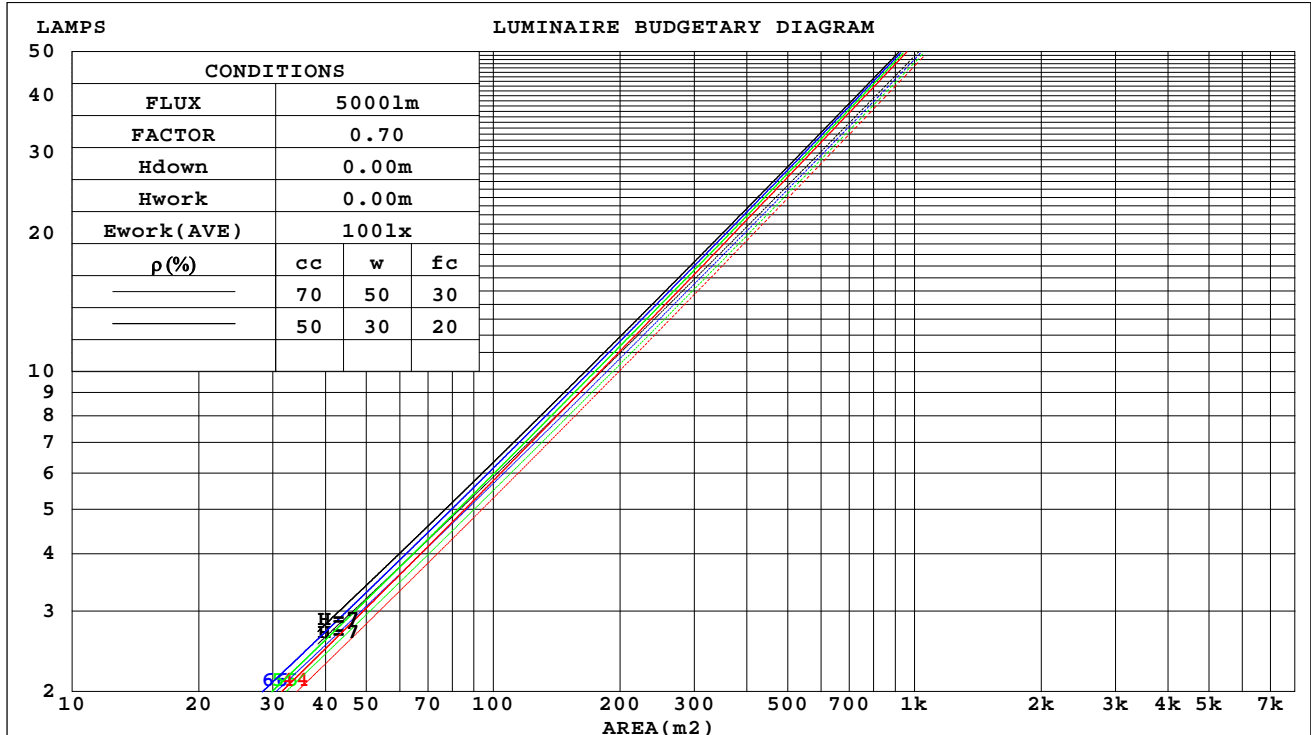
SERIAL No.: 2310231258

MFR.: RISE

SUR.: 0.001589625m2

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	.63	.63	.63	.61	.61	.61	.59	.59	.59	.56	.56	.56	.54	.54	.54	.53
1.0	.60	.59	.58	.59	.58	.57	.57	.56	.55	.55	.54	.54	.53	.52	.52	.51
2.0	.57	.56	.54	.56	.55	.54	.55	.54	.53	.53	.52	.52	.52	.51	.50	.50
3.0	.55	.53	.52	.54	.53	.51	.53	.52	.51	.52	.51	.50	.51	.50	.49	.48
4.0	.53	.51	.50	.52	.51	.49	.51	.50	.49	.50	.49	.48	.50	.49	.48	.47
5.0	.51	.49	.48	.51	.49	.47	.50	.48	.47	.49	.48	.47	.48	.47	.46	.46
6.0	.50	.48	.46	.49	.47	.46	.49	.47	.46	.48	.47	.45	.47	.46	.45	.45
7.0	.48	.46	.45	.48	.46	.45	.47	.46	.44	.47	.45	.44	.46	.45	.44	.44
8.0	.47	.45	.43	.47	.45	.43	.46	.44	.43	.46	.44	.43	.45	.44	.43	.42
9.0	.46	.44	.42	.45	.44	.42	.45	.43	.42	.45	.43	.42	.44	.43	.42	.41
10.0	.45	.43	.41	.44	.43	.41	.44	.42	.41	.44	.42	.41	.43	.42	.41	.41



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-23

$\gamma$  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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	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	.069	.039	.012	.065	.037	.012	.059	.034	.011	.053	.030	.010	.047	.027	.009	
2.0	.063	.035	.011	.061	.033	.010	.055	.031	.010	.050	.028	.009	.046	.026	.008	
3.0	.059	.031	.009	.056	.030	.009	.052	.028	.009	.048	.026	.008	.044	.024	.008	
4.0	.055	.029	.008	.053	.028	.008	.049	.026	.008	.046	.025	.007	.043	.023	.007	
5.0	.052	.026	.008	.050	.026	.007	.047	.024	.007	.044	.023	.007	.041	.022	.007	
6.0	.049	.024	.007	.047	.024	.007	.045	.023	.007	.042	.022	.006	.040	.021	.006	
7.0	.046	.023	.006	.045	.022	.006	.043	.022	.006	.040	.021	.006	.038	.020	.006	
8.0	.044	.022	.006	.043	.021	.006	.041	.020	.006	.039	.020	.006	.037	.019	.006	
9.0	.042	.020	.006	.041	.020	.006	.039	.019	.006	.038	.019	.005	.036	.018	.005	
10.0	.040	.019	.005	.039	.019	.005	.038	.019	.005	.036	.018	.005	.035	.018	.005	

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	.100	.100	.100	.086	.086	.086	.059	.059	.059	.034	.034	.034	.011	.011	.011		
1.0	.089	.083	.078	.076	.071	.067	.052	.049	.047	.030	.028	.027	.010	.009	.009		
2.0	.079	.070	.063	.067	.060	.054	.046	.042	.038	.027	.024	.022	.009	.008	.007		
3.0	.071	.060	.051	.061	.052	.044	.042	.036	.031	.024	.021	.018	.008	.007	.006		
4.0	.064	.052	.042	.055	.045	.037	.038	.031	.026	.022	.018	.015	.007	.006	.005		
5.0	.058	.045	.035	.050	.039	.031	.034	.027	.022	.020	.016	.013	.006	.005	.004		
6.0	.053	.040	.030	.046	.034	.026	.032	.024	.018	.018	.014	.011	.006	.005	.004		
7.0	.049	.035	.026	.042	.031	.022	.029	.021	.016	.017	.013	.009	.005	.004	.003		
8.0	.046	.032	.022	.039	.027	.019	.027	.019	.014	.016	.011	.008	.005	.004	.003		
9.0	.043	.029	.019	.037	.025	.017	.026	.017	.012	.015	.010	.007	.005	.003	.002		
10.0	.040	.026	.017	.035	.023	.015	.024	.016	.010	.014	.009	.006	.005	.003	.002		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-23

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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm										
NAME: 2318.138-LEA-15-DW					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2310231258		
MFR.: RISE					SUR.: 0.001589625m2			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	4.6	5.2	4.8	5.3	5.5	5.7	6.3	5.9	6.5	6.6
3H	4.5	5.0	4.7	5.2	5.4	5.6	6.2	5.9	6.4	6.6
4H	4.4	4.9	4.6	5.1	5.3	5.6	6.1	5.8	6.3	6.5
6H	4.3	4.8	4.6	5.0	5.3	5.5	6.0	5.8	6.2	6.5
8H	4.3	4.8	4.6	5.0	5.3	5.4	5.9	5.7	6.2	6.4
12H	4.2	4.7	4.5	5.0	5.2	5.4	5.9	5.7	6.1	6.4
4H 2H	4.4	5.0	4.7	5.2	5.4	5.5	6.1	5.8	6.3	6.5
3H	4.3	4.7	4.6	5.0	5.3	5.4	5.9	5.7	6.2	6.4
4H	4.2	4.6	4.5	4.9	5.2	5.4	5.8	5.7	6.1	6.4
6H	4.1	4.5	4.4	4.8	5.1	5.3	5.7	5.6	6.0	6.3
8H	4.0	4.4	4.4	4.7	5.1	5.2	5.6	5.6	5.9	6.3
12H	4.0	4.3	4.4	4.7	5.1	5.2	5.5	5.6	5.9	6.2
8H 4H	4.0	4.4	4.4	4.7	5.1	5.2	5.6	5.6	5.9	6.3
6H	3.9	4.2	4.3	4.6	5.0	5.1	5.4	5.5	5.8	6.2
8H	3.9	4.1	4.3	4.6	5.0	5.1	5.3	5.5	5.7	6.2
12H	3.8	4.1	4.3	4.5	5.0	5.0	5.2	5.5	5.7	6.1
12H 4H	4.0	4.3	4.4	4.7	5.1	5.2	5.5	5.6	5.9	6.2
6H	3.9	4.1	4.3	4.6	5.0	5.0	5.3	5.5	5.7	6.2
8H	3.8	4.0	4.3	4.5	4.9	5.0	5.2	5.5	5.7	6.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 4.7 / - 5.7					+ 5.1 / - 4.8				
1.5H	+ 7.0 / - 5.4					+ 7.5 / - 4.5				
2.0H	+ 2.0 / - 2.7					+ 2.0 / - 1.6				

CIE Pub.117, 1494 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)  
Area: 0.00158963 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-23

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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

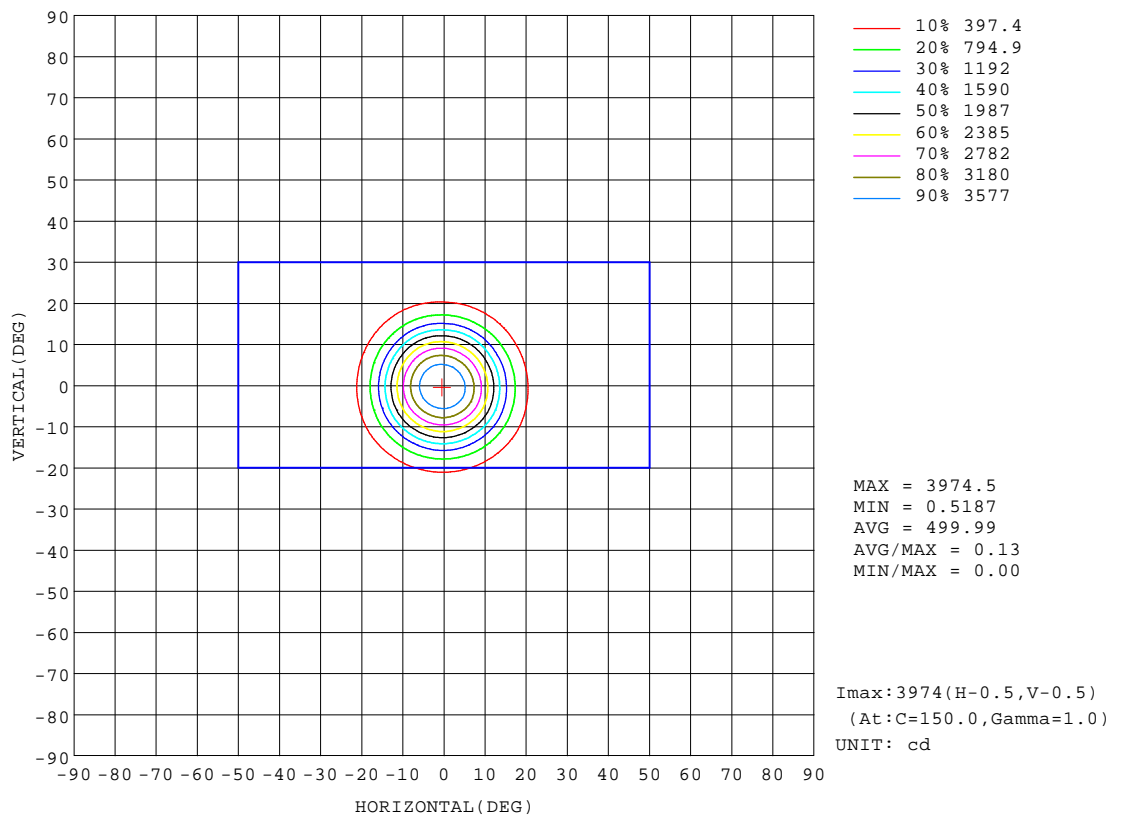
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	45	43	48	45	43	48	45	43	42
0.80	52	49	47	51	49	47	51	49	47	45
1.00	54	51	49	53	51	49	53	51	49	47
1.25	56	53	52	55	53	51	54	52	51	49
1.50	57	55	53	56	54	53	55	54	52	50
2.00	58	56	55	57	55	54	56	54	53	51
2.50	59	57	56	58	56	55	56	55	54	51
3.00	59	58	57	59	57	56	57	56	55	52
4.00	60	59	58	59	58	57	58	57	56	52
5.00	61	60	59	60	59	58	58	57	57	53
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℃  
Operators:zoe  
Test Date:2023-10-23

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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:



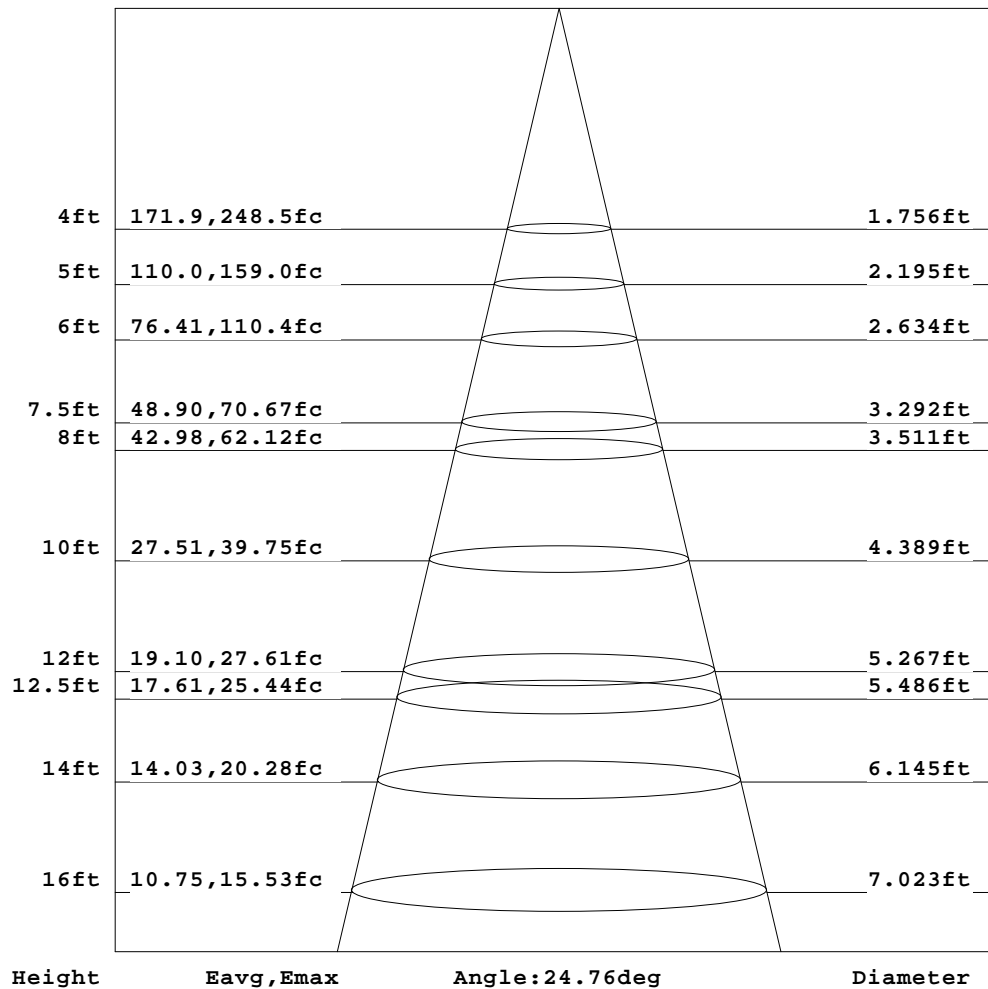
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-23

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

## AAI Figure

Test:U:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

Flux out:460.6 lm



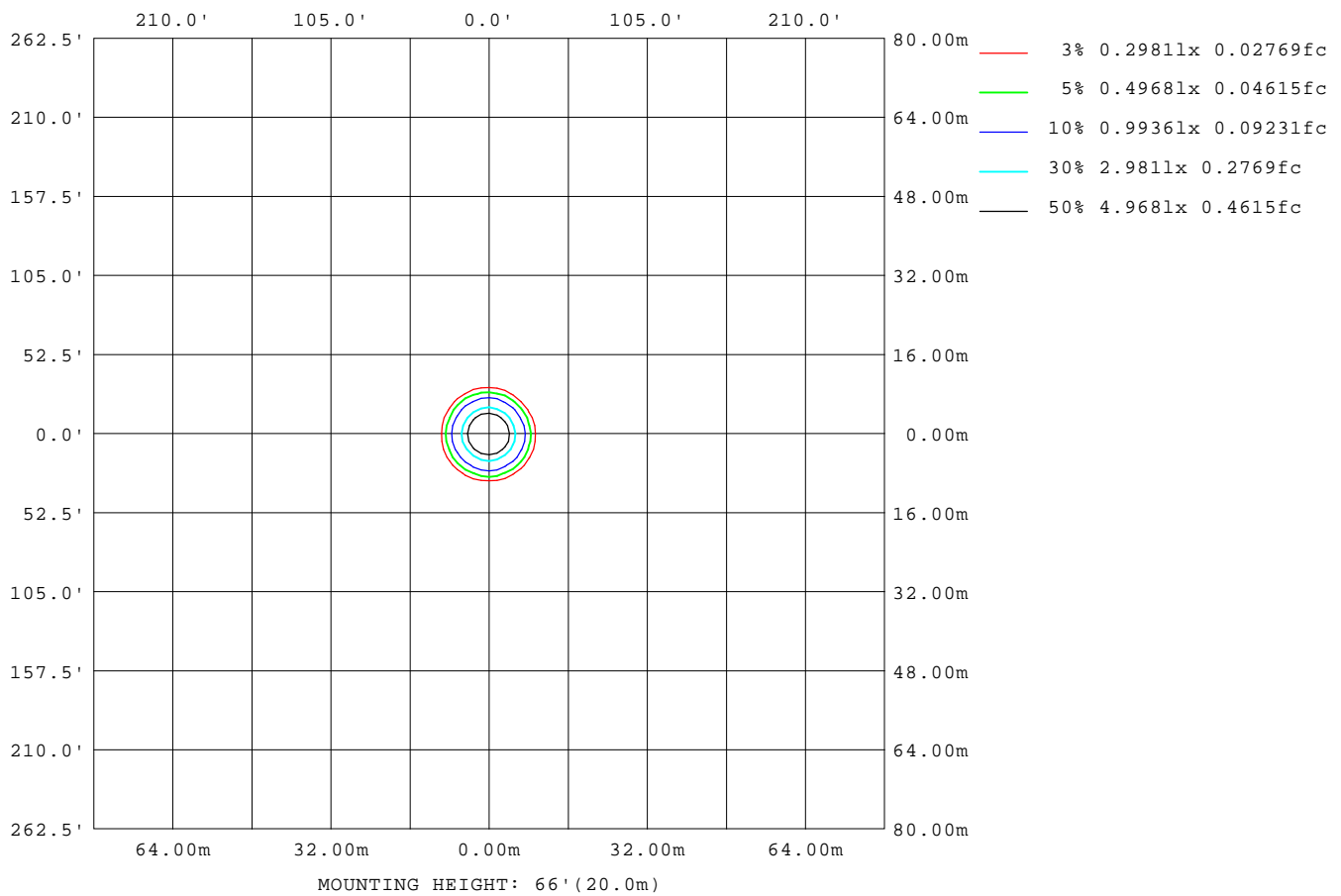
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-10-23

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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:zoe  
Test Date:2023-10-23

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

### LED Avg.L Report

Test:U:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

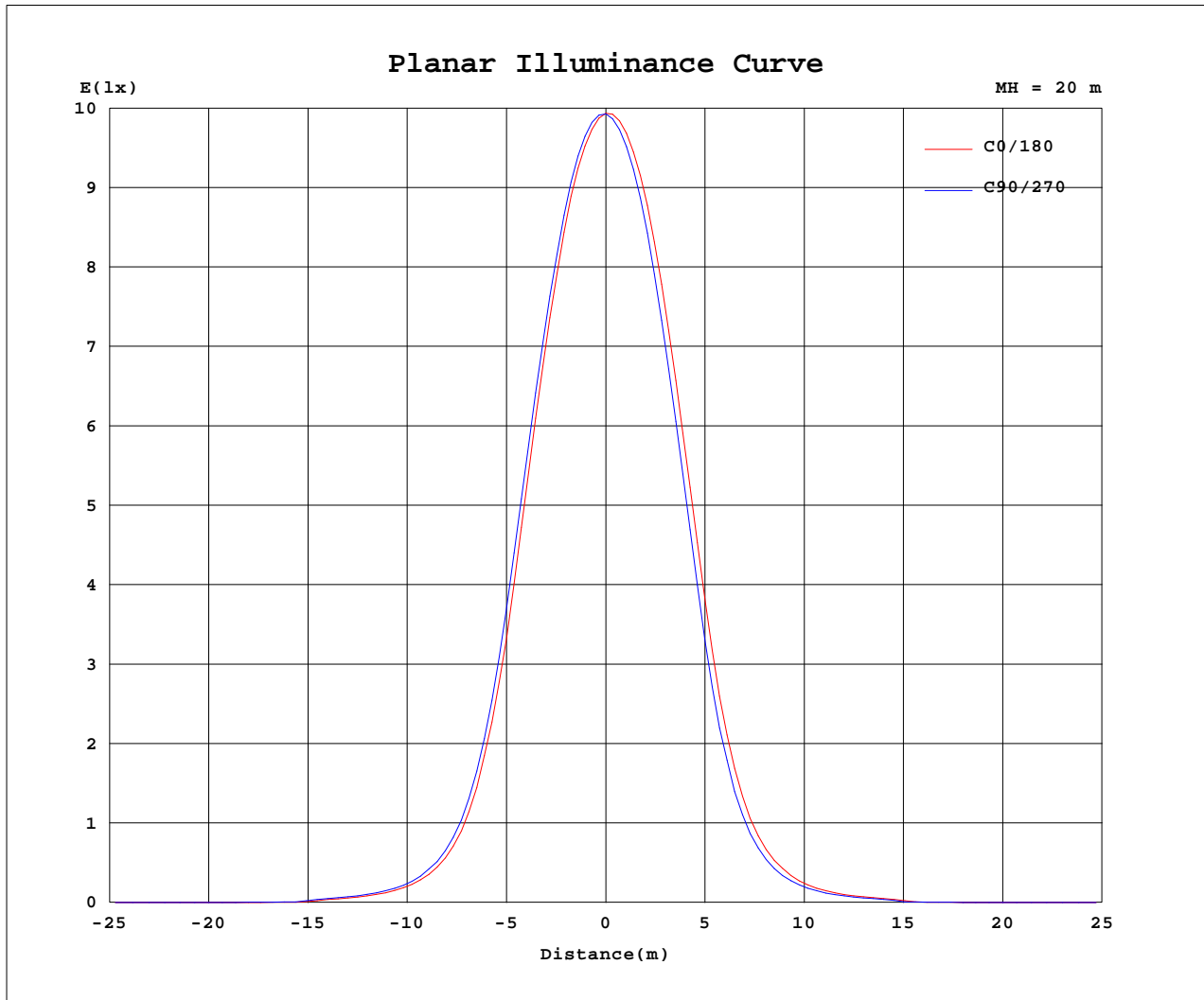
AvgL	cd/m2
L_0~180(65)av	596
L_0~180(75)av	364
L_0~180(85)av	341
L_90~270(65)av	738
L_90~270(75)av	368
L_90~270(85)av	138
L_45(65)av	753
L_45(75)av	395
L_45(85)av	91

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-23

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: 2023-10-23

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:120.11V I:0.1479A P:17.662W PF:0.9934 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231258
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3973	3973	3973	3973	3973	3973	3973	3973	3973	3973	3973	3973						
5	3596	3644	3651	3670	3680	3701	3702	3677	3647	3589	3560	3555						
10	2553	2632	2654	2688	2715	2761	2753	2695	2642	2539	2479	2483						
15	1234	1320	1329	1373	1401	1438	1410	1339	1296	1205	1177	1169						
20	434	479	482	501	510	528	512	486	464	420	405	402						
25	154	170	173	179	185	194	183	172	163	148	143	141						
30	63.7	69.5	72.2	76.2	78.2	80.4	75.7	70.1	65.0	62.5	60.8	59.4						
35	28.2	31.5	33.5	36.7	39.2	40.2	37.0	33.5	31.1	30.5	29.4	26.9						
40	3.81	4.86	5.85	5.61	5.29	5.33	5.11	5.54	5.61	4.45	3.57	3.45						
45	1.54	2.28	3.04	2.69	2.42	2.42	2.31	2.70	2.96	2.10	1.43	1.29						
50	0.73	1.24	1.94	1.59	1.31	1.31	1.26	1.60	1.85	1.12	0.69	0.69						
55	0.59	0.92	1.49	1.19	1.00	1.01	0.97	1.24	1.46	0.85	0.56	0.57						
60	0.41	0.67	1.09	0.91	0.82	0.84	0.81	0.96	1.10	0.63	0.40	0.37						
65	0.23	0.39	0.67	0.60	0.58	0.60	0.57	0.64	0.71	0.39	0.22	0.18						
70	0.09	0.20	0.38	0.37	0.37	0.38	0.37	0.40	0.41	0.21	0.09	0.06						
75	0.07	0.10	0.20	0.20	0.22	0.23	0.23	0.23	0.21	0.10	0.05	0.06						
80	0.06	0.05	0.07	0.08	0.09	0.12	0.13	0.11	0.08	0.05	0.04	0.04						
85	0.05	0.02	0.02	0.02	0.01	0.02	0.05	0.02	0.01	0.02	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:2023-10-23

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