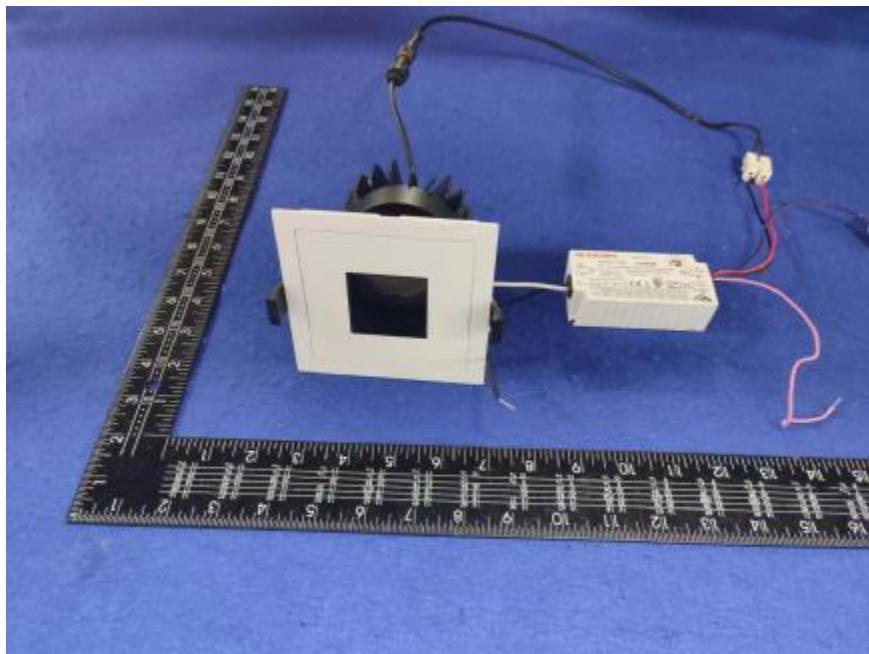


## Luminaire Photograph



Light Output Ratio:	53.2%	
Luminaire Power:	17.75 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: 2023-10-27

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

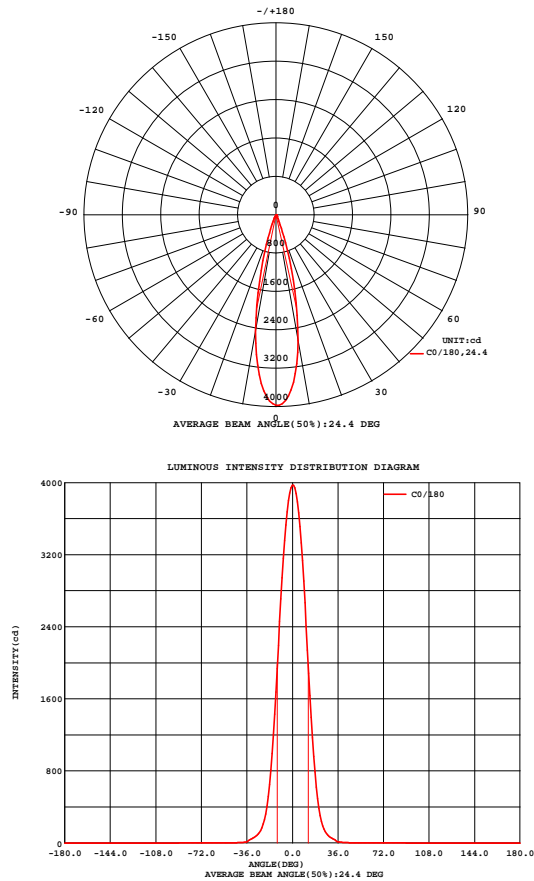


Fig. C0/C180

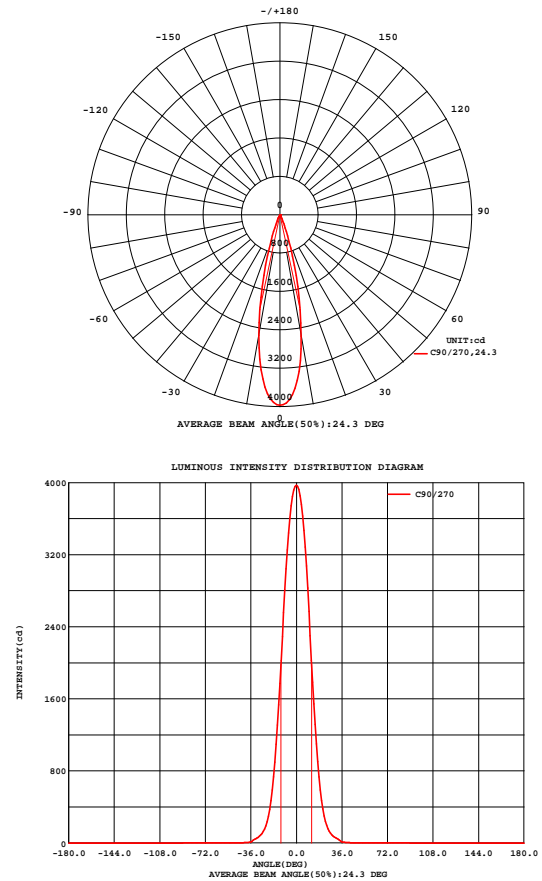


Fig. C90/C270

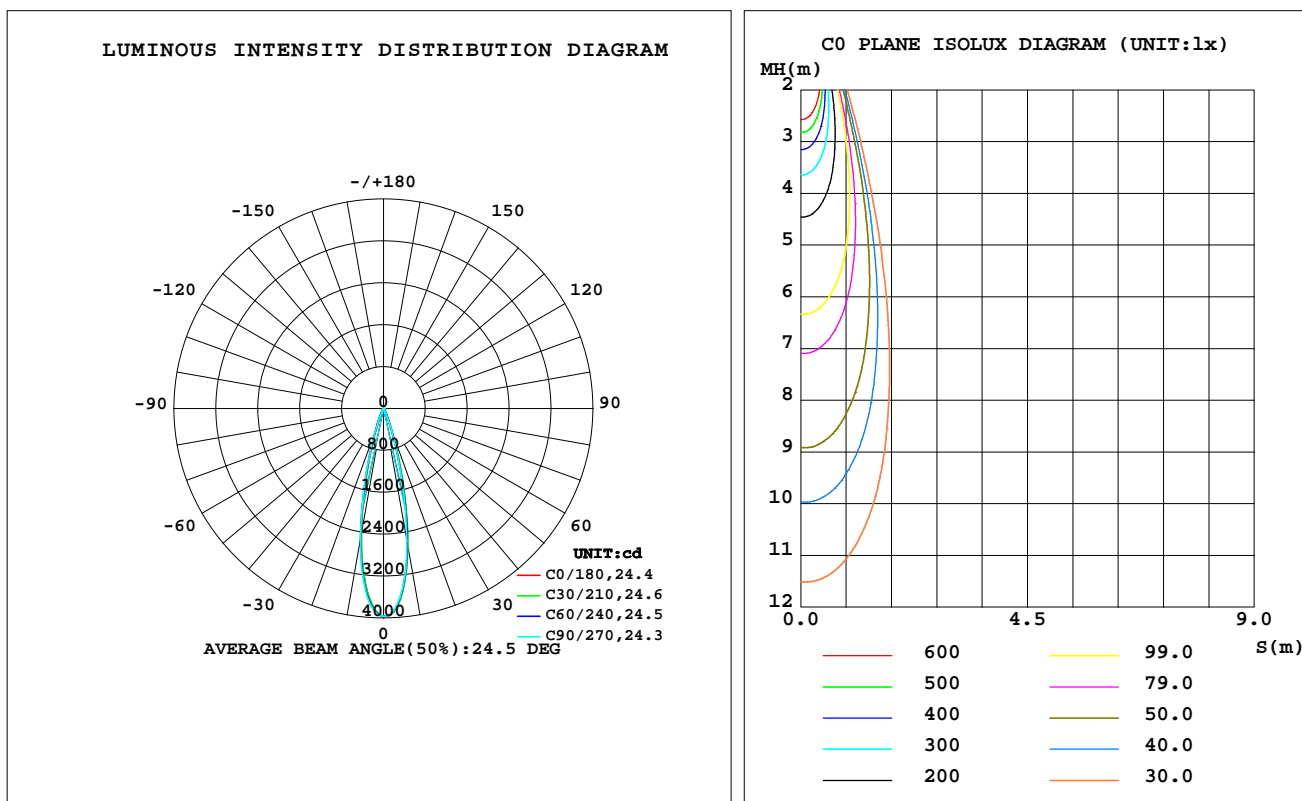
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:zoe  
Test Date:2023-10-27

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

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 44.76 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	3971	S/MH(C0/180)	0.39
NOMINAL POWER(W)	17	LOR(%)	53.2	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	794.61	η UP,DN(C0-180)	0.0,27.0
NOMINAL FLUX(lm)	1493.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,26.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	53.2	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-27

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	2665	2657	2571	2601	2458	2500	2557	2654	0- 10	311.7	311.7	39.2,20.9
20	490.4	530.9	471.9	502.6	408.2	473.4	468.9	518.4	10- 20	364.2	675.8	85.1,45.2
30	62.15	84.05	65.98	86.14	62.15	81.74	63.58	85.23	20- 30	92.62	768.4	96.7,51.4
40	6.690	6.513	5.739	6.781	5.928	6.531	4.776	6.310	30- 40	21.46	789.9	99.4,52.9
50	2.322	1.798	1.648	2.113	2.112	1.262	1.100	1.850	40- 50	2.509	792.4	99.7,53.1
60	1.346	0.9811	1.079	1.147	1.229	0.6543	0.7410	0.9221	50- 60	1.173	793.6	99.9,53.1
70	0.5509	0.4380	0.4975	0.4790	0.4731	0.2474	0.2922	0.3393	60- 70	0.6603	794.3	100,53.2
80	0.2139	0.1523	0.2025	0.1499	0.1905	0.1148	0.1722	0.1182	70- 80	0.2731	794.5	100,53.2
90	0	0	0	0	0	0	0	0	80- 90	0.0881	794.6	100,53.2
100	0	0	0	0	0	0	0	0	90-100	0	794.6	100,53.2
110	0	0	0	0	0	0	0	0	100-110	0	794.6	100,53.2
120	0	0	0	0	0	0	0	0	110-120	0	794.6	100,53.2
130	0	0	0	0	0	0	0	0	120-130	0	794.6	100,53.2
140	0	0	0	0	0	0	0	0	130-140	0	794.6	100,53.2
150	0	0	0	0	0	0	0	0	140-150	0	794.6	100,53.2
160	0	0	0	0	0	0	0	0	150-160	0	794.6	100,53.2
170	0	0	0	0	0	0	0	0	160-170	0	794.6	100,53.2
180	0	0	0	0	0	0	0	0	170-180	0	794.6	100,53.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-27

$\gamma$  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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.154-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

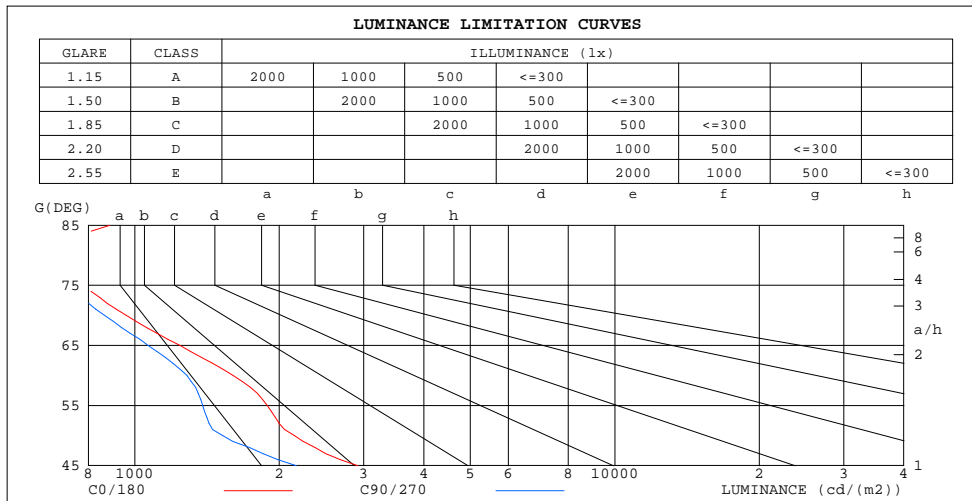
DIM.:

SERIAL No.: 2310271280

MFR.: RISE

SUR.: 0.001681m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	886	799
80	733	694
75	790	735
70	959	865
65	1241	1065
60	1603	1284
55	1889	1384
50	2151	1525
45	2915	2172

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-27

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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.154-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

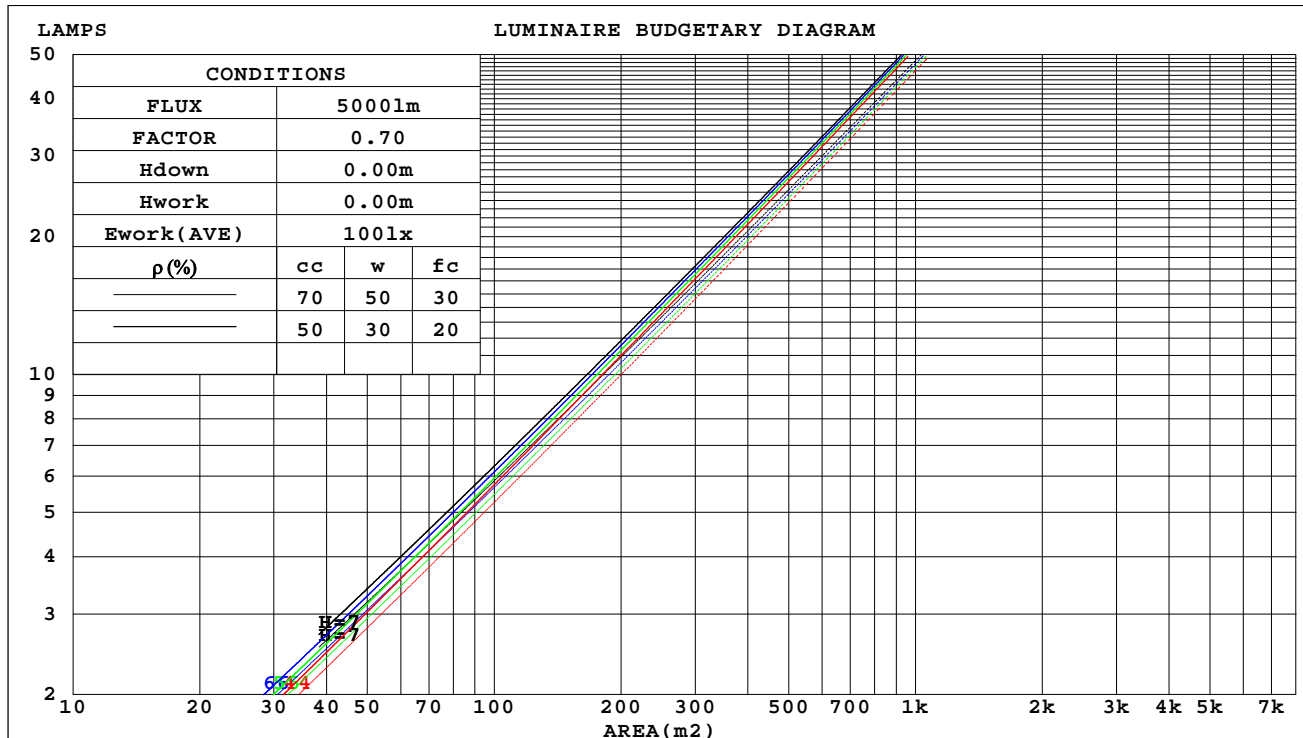
SERIAL No.: 2310271280

MFR.: RISE

SUR.: 0.001681m2

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	.62	.62	.62	.59	.59	.59	.57	.57	.57	.54	.54	.54	.53
1.0	.60	.59	.58	.59	.58	.57	.57	.56	.56	.55	.55	.54	.53	.53	.52	.52
2.0	.58	.56	.55	.57	.55	.54	.55	.54	.53	.54	.53	.52	.52	.51	.51	.50
3.0	.55	.53	.52	.55	.53	.52	.53	.52	.51	.52	.51	.50	.51	.50	.49	.49
4.0	.53	.51	.50	.53	.51	.49	.52	.50	.49	.51	.49	.48	.50	.49	.48	.47
5.0	.52	.49	.48	.51	.49	.48	.50	.49	.47	.49	.48	.47	.49	.48	.47	.46
6.0	.50	.48	.46	.50	.48	.46	.49	.47	.46	.48	.47	.46	.48	.46	.45	.45
7.0	.48	.46	.45	.48	.46	.45	.48	.46	.45	.47	.45	.44	.47	.45	.44	.44
8.0	.47	.45	.44	.47	.45	.44	.46	.45	.43	.46	.44	.43	.45	.44	.43	.43
9.0	.46	.44	.42	.46	.44	.42	.45	.43	.42	.45	.43	.42	.44	.43	.42	.42
10.0	.45	.43	.41	.45	.43	.41	.44	.42	.41	.44	.42	.41	.44	.42	.41	.41



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-27

$\gamma$  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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	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	.070	.040	.013	.067	.038	.012	.060	.034	.011	.054	.031	.010	.048	.028	.009	
2.0	.065	.035	.011	.062	.034	.010	.056	.031	.010	.051	.029	.009	.047	.026	.008	
3.0	.060	.032	.010	.058	.031	.009	.053	.029	.009	.049	.027	.008	.045	.025	.008	
4.0	.056	.029	.009	.054	.028	.008	.050	.027	.008	.047	.025	.008	.043	.024	.007	
5.0	.053	.027	.008	.051	.026	.008	.048	.025	.007	.045	.024	.007	.042	.022	.007	
6.0	.050	.025	.007	.048	.024	.007	.046	.023	.007	.043	.022	.007	.041	.021	.006	
7.0	.047	.023	.007	.046	.023	.007	.044	.022	.006	.041	.021	.006	.039	.020	.006	
8.0	.045	.022	.006	.044	.022	.006	.042	.021	.006	.040	.020	.006	.038	.019	.006	
9.0	.043	.021	.006	.042	.020	.006	.040	.020	.006	.038	.019	.006	.037	.019	.005	
10.0	.041	.020	.005	.040	.019	.005	.039	.019	.005	.037	.018	.005	.036	.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	.101	.101	.101	.087	.087	.087	.059	.059	.059	.034	.034	.034	.011	.011	.011		
1.0	.089	.084	.079	.076	.072	.068	.052	.050	.047	.030	.029	.027	.010	.009	.009		
2.0	.080	.071	.063	.068	.061	.055	.047	.042	.038	.027	.024	.022	.009	.008	.007		
3.0	.071	.060	.051	.061	.052	.045	.042	.036	.031	.024	.021	.018	.008	.007	.006		
4.0	.065	.052	.042	.055	.045	.037	.038	.031	.026	.022	.018	.015	.007	.006	.005		
5.0	.059	.045	.035	.051	.039	.031	.035	.027	.022	.020	.016	.013	.006	.005	.004		
6.0	.054	.040	.030	.046	.035	.026	.032	.024	.019	.019	.014	.011	.006	.005	.004		
7.0	.050	.036	.026	.043	.031	.022	.030	.022	.016	.017	.013	.009	.006	.004	.003		
8.0	.046	.032	.022	.040	.028	.019	.028	.019	.014	.016	.012	.008	.005	.004	.003		
9.0	.043	.029	.019	.037	.025	.017	.026	.018	.012	.015	.010	.007	.005	.003	.002		
10.0	.041	.026	.017	.035	.023	.015	.024	.016	.010	.014	.010	.006	.005	.003	.002		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-27

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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm										
NAME: 2318.154-LEA-15-DW					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2310271280		
MFR.: RISE					SUR.: 0.001681m2			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	6.2	6.8	6.4	7.0	7.1	6.4	7.0	6.6	7.1	7.3
3H	6.2	6.7	6.4	6.9	7.1	6.3	6.9	6.5	7.0	7.2
4H	6.1	6.7	6.4	6.9	7.1	6.2	6.8	6.5	7.0	7.2
6H	6.1	6.6	6.3	6.8	7.0	6.2	6.7	6.5	6.9	7.2
8H	6.0	6.5	6.3	6.8	7.0	6.1	6.6	6.4	6.9	7.1
12H	6.0	6.5	6.3	6.7	7.0	6.1	6.6	6.4	6.8	7.1
4H 2H	6.0	6.6	6.3	6.8	7.0	6.2	6.7	6.4	6.9	7.1
3H	6.0	6.5	6.3	6.7	7.0	6.1	6.6	6.4	6.8	7.1
4H	5.9	6.4	6.3	6.7	7.0	6.0	6.5	6.4	6.8	7.1
6H	5.9	6.3	6.2	6.6	6.9	6.0	6.4	6.3	6.7	7.0
8H	5.8	6.2	6.2	6.6	6.9	5.9	6.3	6.3	6.7	7.0
12H	5.8	6.1	6.2	6.5	6.9	5.9	6.2	6.3	6.6	7.0
8H 4H	5.8	6.2	6.2	6.5	6.9	5.9	6.3	6.3	6.6	7.0
6H	5.7	6.0	6.2	6.4	6.8	5.8	6.1	6.3	6.5	6.9
8H	5.7	6.0	6.1	6.4	6.8	5.8	6.1	6.3	6.5	6.9
12H	5.7	5.9	6.1	6.4	6.8	5.8	6.0	6.2	6.4	6.9
12H 4H	5.7	6.1	6.1	6.4	6.8	5.8	6.2	6.3	6.6	6.9
6H	5.7	6.0	6.1	6.4	6.8	5.8	6.1	6.2	6.5	6.9
8H	5.7	5.9	6.1	6.3	6.8	5.8	6.0	6.2	6.4	6.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.1 / - 2.7					+ 2.5 / - 3.3				
1.5H	+ 3.9 / - 2.8					+ 4.6 / - 3.0				
2.0H	+ 2.2 / - 1.5					+ 1.6 / - 0.8				

CIE Pub.117, 1494 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)  
Area: 0.001681 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-27

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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	Shielding Angle:

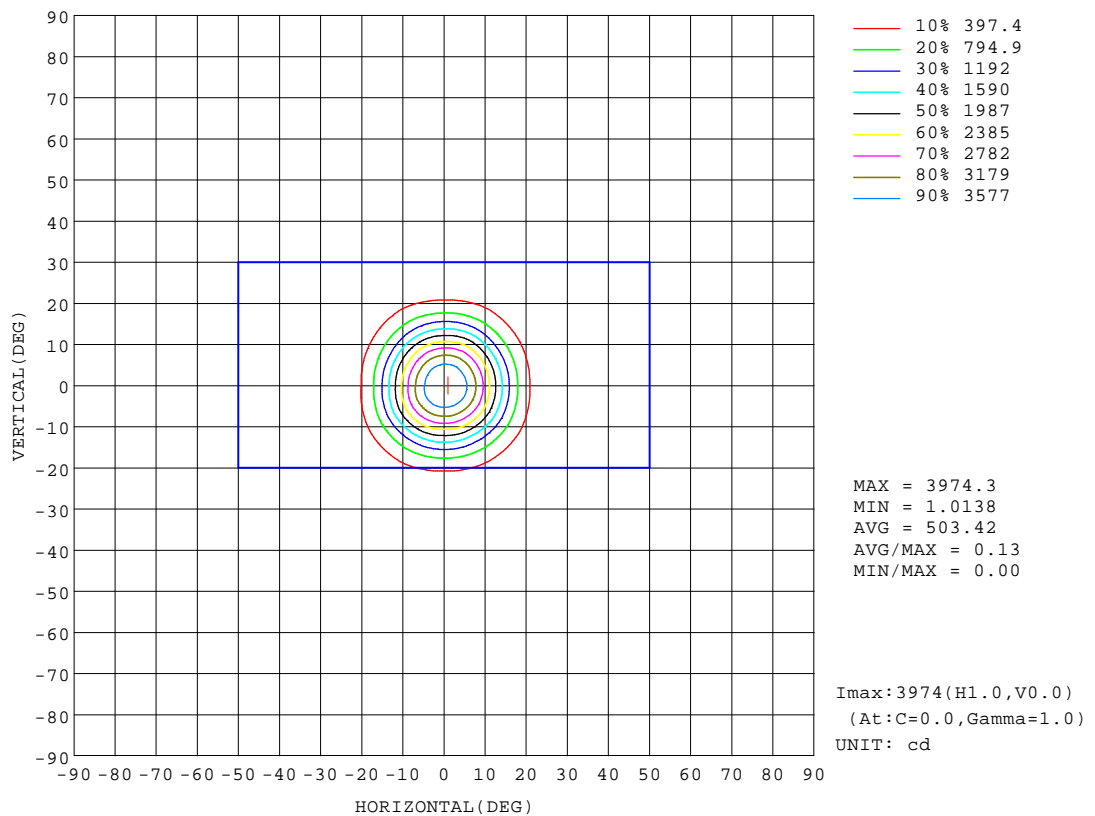
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	46	44	48	45	44	48	45	44	42
0.80	52	49	48	52	49	48	51	49	47	46
1.00	54	52	50	54	51	50	53	51	49	48
1.25	56	54	52	56	53	52	55	53	51	49
1.50	57	55	54	57	55	53	56	54	53	50
2.00	58	56	55	58	56	55	56	55	54	51
2.50	59	57	56	58	57	56	57	56	55	51
3.00	60	58	57	59	58	56	57	56	55	52
4.00	61	60	59	60	59	58	58	57	56	53
5.00	62	61	60	60	60	59	58	58	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:2023-10-27

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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	Shielding Angle:

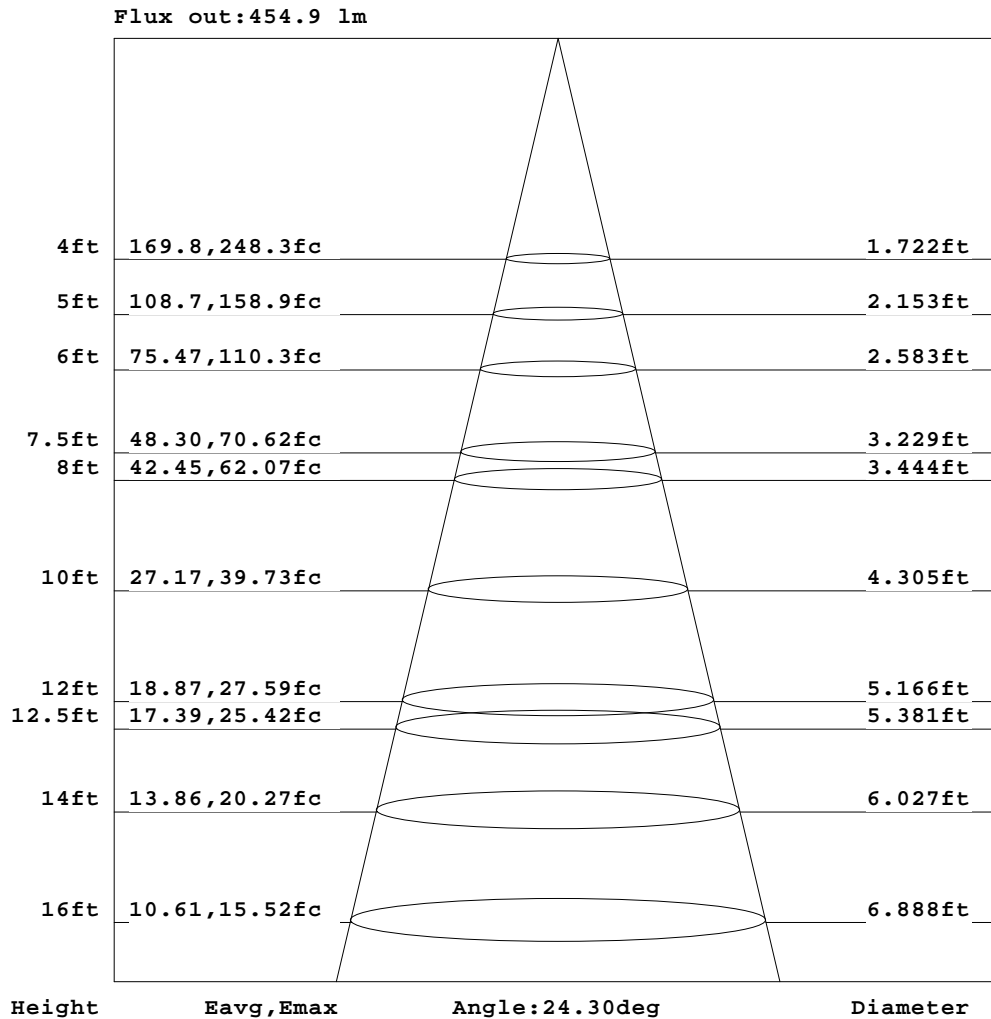


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-10-27

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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	Shielding Angle:



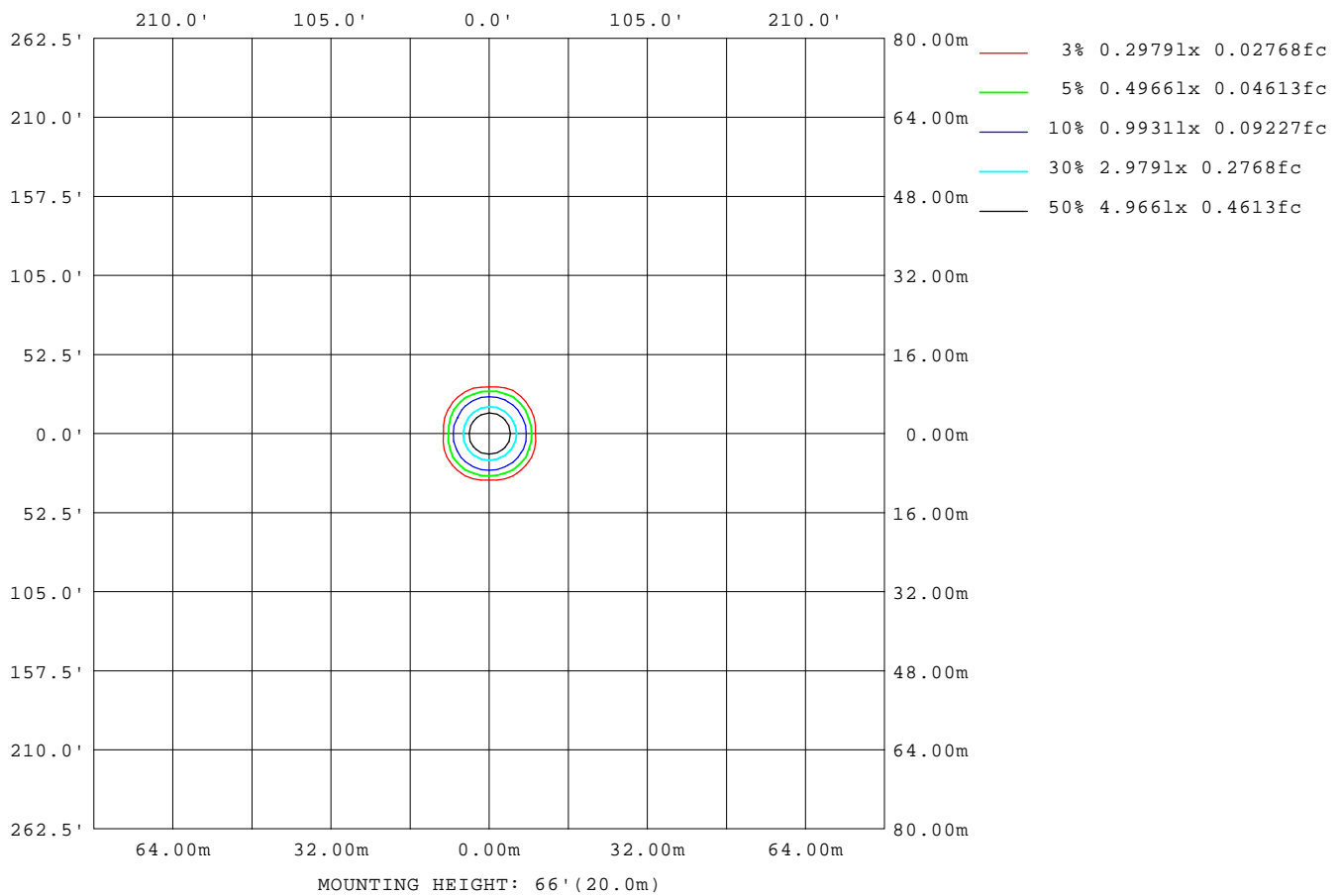
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-10-27

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

## ISOLUX DIAGRAM

Test:U:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-10-27

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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	Shielding Angle:

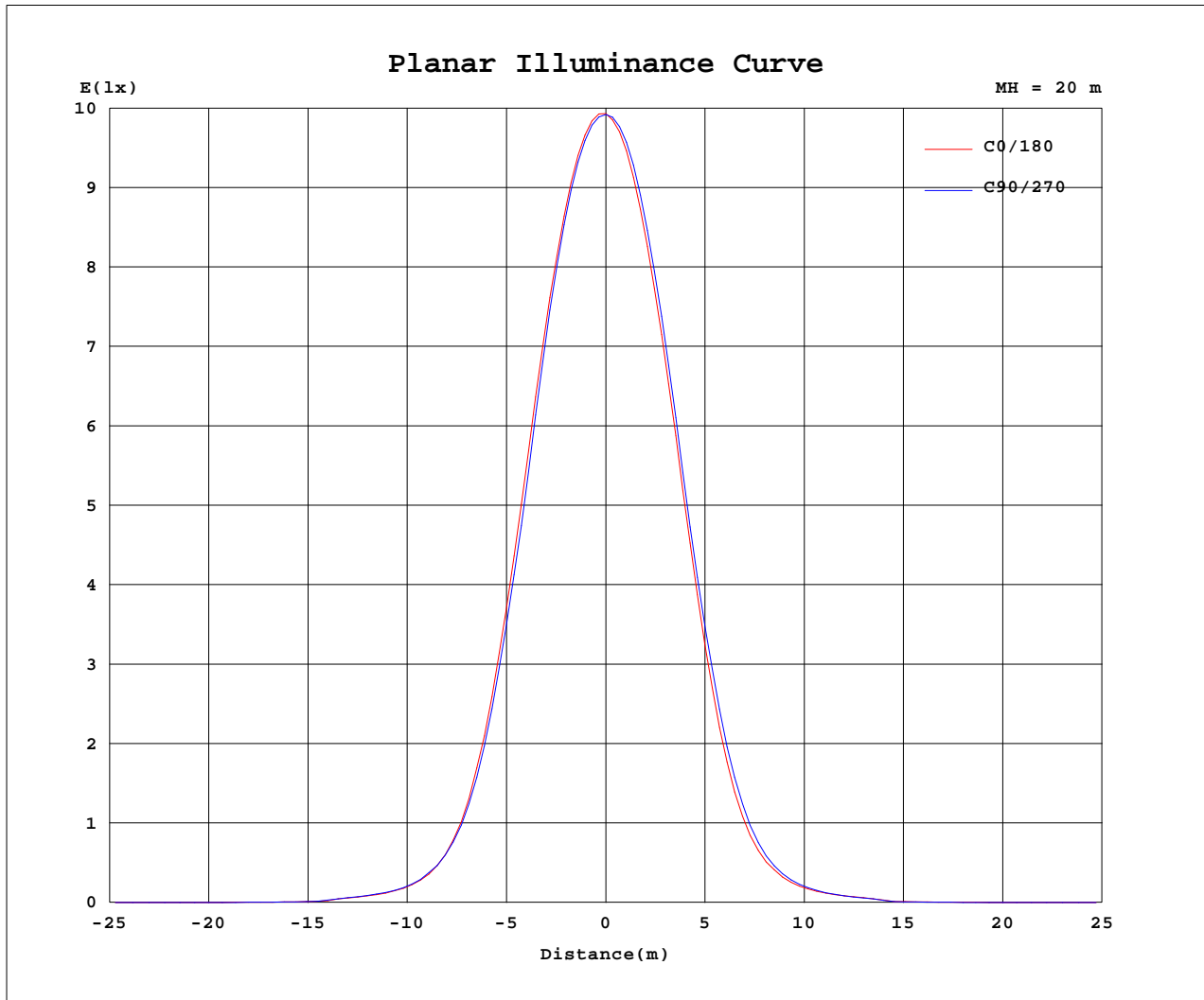
AvgL	cd/m2
L_0~180(65)av	1174
L_0~180(75)av	728
L_0~180(85)av	888
L_90~270(65)av	874
L_90~270(75)av	633
L_90~270(85)av	821
L_45(65)av	854
L_45(75)av	502
L_45(85)av	391

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-27

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: 2023-10-27

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:120.21V I:0.1484A P:17.754W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.154-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310271280
MFR.: RISE	SUR.: 0.001681m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3969	3969	3969	3969	3969	3969	3969	3969	3969	3969	3969	3969						
5	3663	3668	3640	3629	3623	3605	3528	3527	3575	3605	3641	3641						
10	2665	2686	2628	2571	2607	2594	2458	2466	2534	2557	2653	2655						
15	1394	1429	1338	1315	1316	1315	1202	1204	1286	1308	1379	1366						
20	490	547	514	472	512	494	408	449	498	469	526	511						
25	153	198	193	157	195	189	139	177	185	155	207	184						
30	62.2	82.7	85.5	66.0	87.4	84.9	62.1	81.8	81.7	63.6	88.5	81.9						
35	19.3	37.9	38.6	23.2	39.6	40.0	22.2	38.8	35.5	19.9	39.4	37.7						
40	6.69	6.40	6.63	5.74	6.59	6.98	5.93	8.05	5.01	4.78	5.75	6.87						
45	3.46	3.22	3.12	2.58	3.17	3.89	3.08	2.51	2.28	2.01	2.71	3.75						
50	2.32	1.85	1.75	1.65	1.82	2.40	2.11	1.32	1.20	1.10	1.40	2.30						
55	1.82	1.27	1.23	1.33	1.27	1.75	1.67	0.89	0.78	0.90	0.90	1.60						
60	1.35	0.99	0.97	1.08	0.99	1.31	1.23	0.68	0.63	0.74	0.69	1.16						
65	0.88	0.69	0.69	0.76	0.69	0.85	0.79	0.44	0.42	0.49	0.46	0.72						
70	0.55	0.44	0.44	0.50	0.44	0.52	0.47	0.26	0.23	0.29	0.27	0.41						
75	0.34	0.27	0.27	0.32	0.26	0.29	0.29	0.16	0.18	0.23	0.15	0.23						
80	0.21	0.15	0.15	0.20	0.15	0.15	0.19	0.11	0.12	0.17	0.11	0.13						
85	0.13	0.07	0.06	0.12	0.06	0.06	0.13	0.06	0.07	0.12	0.07	0.07						
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:2023-10-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
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Humidity:65.0%  
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Remarks: LAMP:BXRV-DR-1830G-1000-K-23 Ra:90  
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30minutes warm-up