

### Luminaire Photograph



Light Output Ratio:	65.4%	
Luminaire Power:	17.58 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: 2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

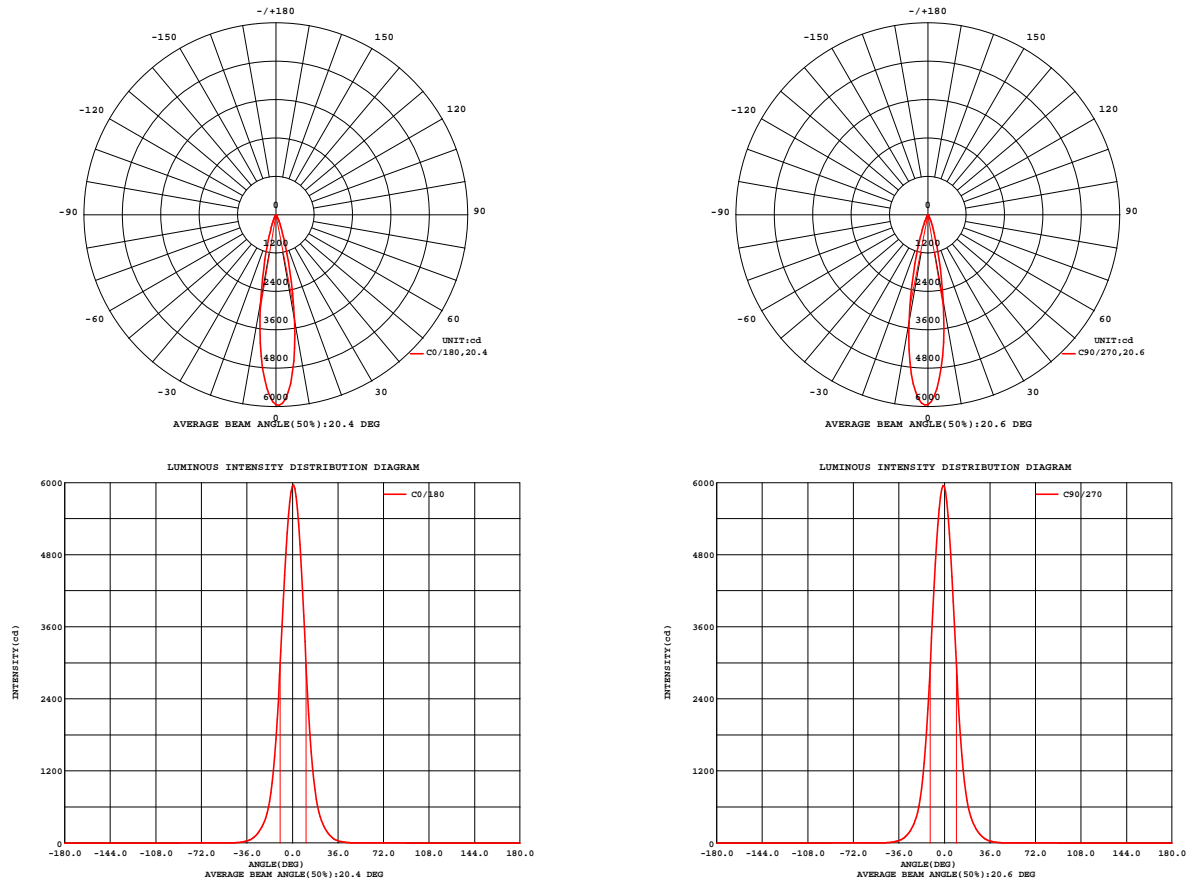


Fig. C0/C180

Fig. C90/C270

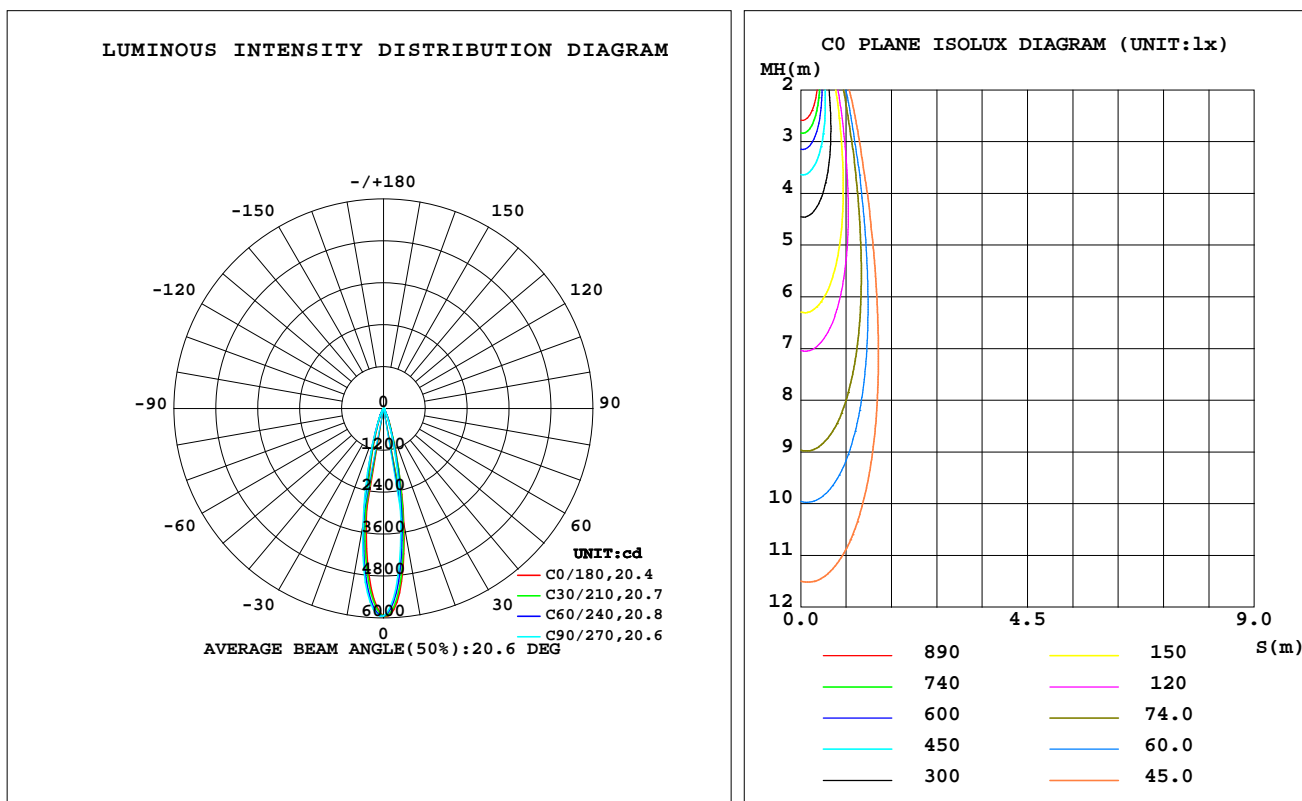
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.59 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	5972	S/MH(C0/180)	0.33
NOMINAL POWER(W)	17	LOR(%)	65.4	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	977.53	η UP,DN(C0-180)	0.0,31.5
NOMINAL FLUX(lm)	1493.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,34.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	65.4	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-14

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-1096 15R  
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	3355	3119	2777	2650	2788	3151	3423	3429	0- 10	417.5	417.5	42.7,28
20	609.7	588.9	507.5	470.9	490.6	573.8	613.9	610.4	10- 20	398.6	816.0	83.5,54.6
30	118.7	116.4	103.3	98.33	100.6	115.6	119.5	117.7	20- 30	124.2	940.2	96.2,63
40	17.82	17.15	15.71	15.35	15.53	18.13	18.97	18.69	30- 40	30.93	971.2	99.3,65
50	2.356	2.469	2.157	1.978	2.076	2.459	2.309	2.351	40- 50	5.233	976.4	99.9,65.4
60	0.3278	0.4295	0.2703	0.2335	0.2571	0.4419	0.3828	0.3148	50- 60	0.8402	977.2	100,65.4
70	0.1172	0.0981	0.0752	0.0899	0.1108	0.1176	0.0844	0.0980	60- 70	0.2231	977.4	100,65.4
80	0.0486	0.0307	0.0422	0.0358	0.0554	0.0358	0.0372	0.0282	70- 80	0.0569	977.5	100,65.4
90	0	0	0	0	0	0	0	0	80- 90	0.0270	977.5	100,65.4
100	0	0	0	0	0	0	0	0	90-100	0	977.5	100,65.4
110	0	0	0	0	0	0	0	0	100-110	0	977.5	100,65.4
120	0	0	0	0	0	0	0	0	110-120	0	977.5	100,65.4
130	0	0	0	0	0	0	0	0	120-130	0	977.5	100,65.4
140	0	0	0	0	0	0	0	0	130-140	0	977.5	100,65.4
150	0	0	0	0	0	0	0	0	140-150	0	977.5	100,65.4
160	0	0	0	0	0	0	0	0	150-160	0	977.5	100,65.4
170	0	0	0	0	0	0	0	0	160-170	0	977.5	100,65.4
180	0	0	0	0	0	0	0	0	170-180	0	977.5	100,65.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:zoe  
Test Date:2023-10-14

$\gamma$  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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.137-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

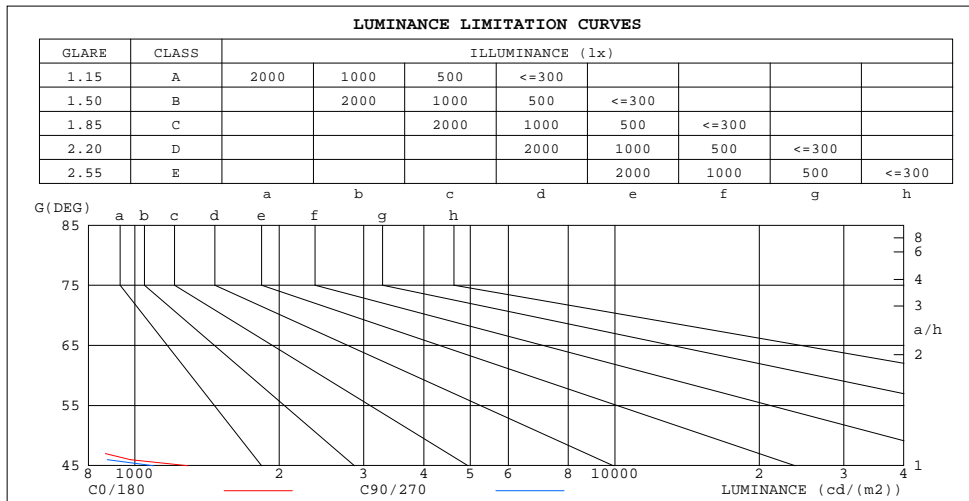
DIM.:

SERIAL No.: 2310141229

MFR.: RISE

SUR.: 0.006217985m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	69	75
80	45	39
75	34	33
70	55	35
65	94	56
60	106	87
55	215	173
50	590	540
45	1291	1093

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz  
Lamp Flux:1493.6x1 lm

NAME: 2318.137-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

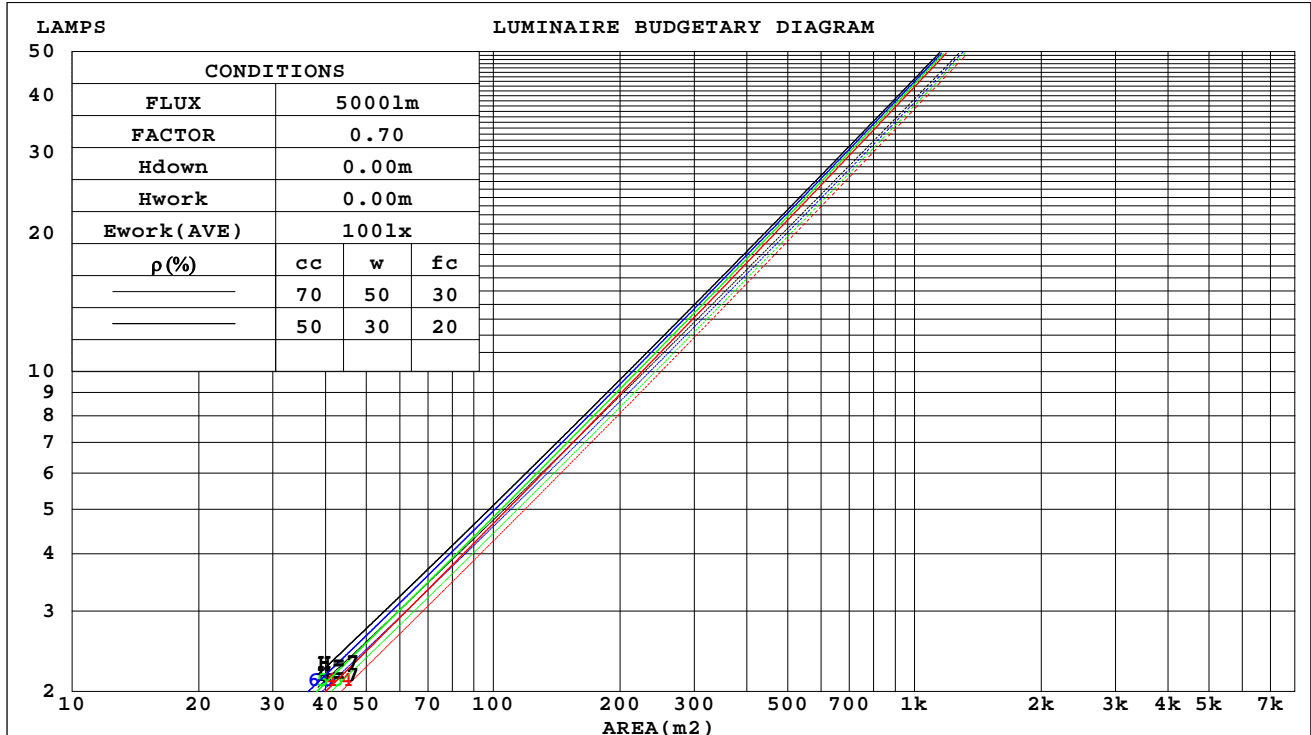
SERIAL No.: 2310141229

MFR.: RISE

SUR.: 0.006217985m2

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	.78	.78	.78	.76	.76	.76	.73	.73	.73	.70	.70	.70	.67	.67	.67	.65
1.0	.74	.73	.72	.73	.72	.71	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64
2.0	.71	.69	.67	.70	.68	.67	.68	.66	.65	.66	.65	.64	.64	.63	.63	.62
3.0	.68	.66	.64	.67	.65	.64	.66	.64	.63	.64	.63	.62	.63	.62	.61	.60
4.0	.66	.63	.61	.65	.63	.61	.64	.62	.60	.63	.61	.60	.61	.60	.59	.58
5.0	.64	.61	.59	.63	.61	.59	.62	.60	.58	.61	.59	.58	.60	.59	.58	.57
6.0	.62	.59	.57	.61	.59	.57	.60	.58	.57	.60	.58	.56	.59	.57	.56	.55
7.0	.60	.57	.56	.59	.57	.55	.59	.57	.55	.58	.56	.55	.58	.56	.55	.54
8.0	.58	.56	.54	.58	.56	.54	.57	.55	.54	.57	.55	.54	.56	.55	.53	.53
9.0	.57	.54	.53	.56	.54	.53	.56	.54	.52	.56	.54	.52	.55	.53	.52	.52
10.0	.55	.53	.51	.55	.53	.51	.55	.53	.51	.54	.52	.51	.54	.52	.51	.50



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-14

$\gamma$  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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### WEC AND CCEC

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	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	.085	.048	.015	.081	.046	.015	.073	.042	.013	.065	.038	.012	.059	.034	.011	
2.0	.079	.043	.013	.075	.041	.013	.068	.038	.012	.062	.035	.011	.057	.032	.010	
3.0	.073	.039	.012	.070	.037	.011	.064	.035	.011	.059	.033	.010	.055	.030	.009	
4.0	.068	.035	.010	.066	.034	.010	.061	.032	.010	.057	.030	.009	.053	.029	.009	
5.0	.064	.033	.009	.062	.032	.009	.058	.030	.009	.054	.029	.009	.051	.027	.008	
6.0	.060	.030	.009	.059	.030	.009	.055	.028	.008	.052	.027	.008	.049	.026	.008	
7.0	.057	.028	.008	.056	.028	.008	.053	.027	.008	.050	.026	.007	.048	.025	.007	
8.0	.055	.027	.007	.053	.026	.007	.051	.025	.007	.048	.024	.007	.046	.024	.007	
9.0	.052	.025	.007	.051	.025	.007	.049	.024	.007	.046	.023	.007	.044	.023	.007	
10.0	.050	.024	.007	.049	.024	.007	.047	.023	.006	.045	.022	.006	.043	.022	.006	

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	.125	.125	.125	.107	.107	.107	.073	.073	.073	.042	.042	.042	.013	.013	.013		
1.0	.110	.103	.097	.094	.089	.084	.064	.061	.058	.037	.035	.034	.012	.011	.011		
2.0	.098	.087	.078	.084	.075	.067	.057	.052	.047	.033	.030	.027	.011	.010	.009		
3.0	.088	.074	.063	.075	.064	.055	.052	.044	.038	.030	.026	.023	.010	.008	.007		
4.0	.079	.064	.052	.068	.055	.045	.047	.039	.032	.027	.023	.019	.009	.007	.006		
5.0	.072	.056	.044	.062	.048	.038	.043	.034	.027	.025	.020	.016	.008	.006	.005		
6.0	.066	.049	.037	.057	.043	.032	.039	.030	.023	.023	.018	.014	.007	.006	.004		
7.0	.061	.044	.032	.053	.038	.028	.036	.027	.020	.021	.016	.012	.007	.005	.004		
8.0	.057	.039	.027	.049	.034	.024	.034	.024	.017	.020	.014	.010	.006	.005	.003		
9.0	.053	.036	.024	.046	.031	.021	.032	.022	.015	.018	.013	.009	.006	.004	.003		
10.0	.050	.032	.021	.043	.028	.018	.030	.020	.013	.017	.012	.008	.006	.004	.003		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm										
NAME: 2318.137-LEA-15-DW					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2310141229		
MFR.: RISE					SUR.: 0.006217985m2			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	3.4	4.0	3.6	4.2	4.3	2.7	3.3	2.9	3.5	3.6
3H	3.3	3.8	3.5	4.0	4.2	2.6	3.2	2.8	3.4	3.5
4H	3.2	3.7	3.4	3.9	4.1	2.5	3.1	2.8	3.3	3.5
6H	3.1	3.6	3.4	3.8	4.1	2.4	3.0	2.7	3.2	3.4
8H	3.1	3.6	3.4	3.8	4.0	2.4	2.9	2.7	3.1	3.4
12H	3.0	3.5	3.3	3.8	4.0	2.4	2.8	2.7	3.1	3.4
4H 2H	3.2	3.7	3.4	3.9	4.1	2.5	3.1	2.8	3.3	3.5
3H	3.0	3.5	3.3	3.8	4.0	2.4	2.8	2.7	3.1	3.4
4H	2.9	3.4	3.3	3.7	4.0	2.3	2.7	2.6	3.0	3.3
6H	2.8	3.2	3.2	3.5	3.9	2.2	2.5	2.5	2.9	3.2
8H	2.8	3.1	3.2	3.5	3.8	2.1	2.5	2.5	2.8	3.2
12H	2.7	3.0	3.1	3.4	3.8	2.1	2.4	2.5	2.8	3.1
8H 4H	2.8	3.1	3.2	3.5	3.8	2.1	2.5	2.5	2.8	3.2
6H	2.7	3.0	3.1	3.3	3.8	2.0	2.3	2.4	2.7	3.1
8H	2.6	2.9	3.0	3.3	3.7	1.9	2.2	2.4	2.6	3.0
12H	2.5	2.8	3.0	3.2	3.7	1.9	2.1	2.3	2.5	3.0
12H 4H	2.7	3.0	3.1	3.4	3.8	2.0	2.4	2.4	2.7	3.1
6H	2.6	2.9	3.0	3.3	3.7	1.9	2.2	2.4	2.6	3.0
8H	2.5	2.8	3.0	3.2	3.7	1.9	2.1	2.3	2.5	3.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.9 / -15.6					+ 3.7 / -16.0				
1.5H	+ 6.4 / -12.8					+ 6.2 / -12.4				
2.0H	+ 6.8 / - 8.1					+ 6.3 / - 8.4				

CIE Pub.117, 1494 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)  
Area: 0.00621798 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

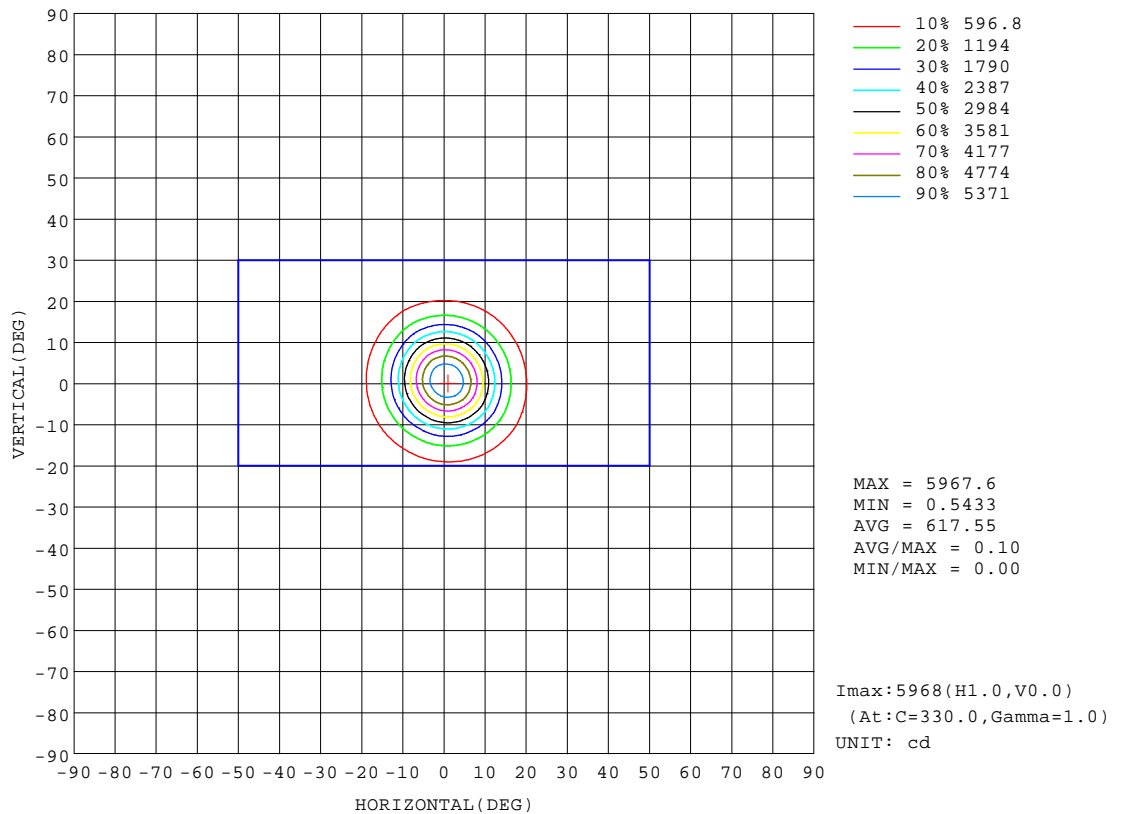
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	56	54	59	56	54	59	56	54	52
0.80	64	61	59	64	61	59	63	60	58	56
1.00	67	63	61	66	63	61	65	63	61	58
1.25	69	66	64	68	66	64	67	65	63	61
1.50	71	68	66	70	67	66	68	66	65	62
2.00	72	69	68	71	69	67	69	68	66	63
2.50	73	71	69	72	70	68	70	68	67	63
3.00	74	72	70	73	71	69	70	69	68	64
4.00	75	73	72	74	72	71	71	70	69	65
5.00	76	74	73	74	73	72	72	71	70	65
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:2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

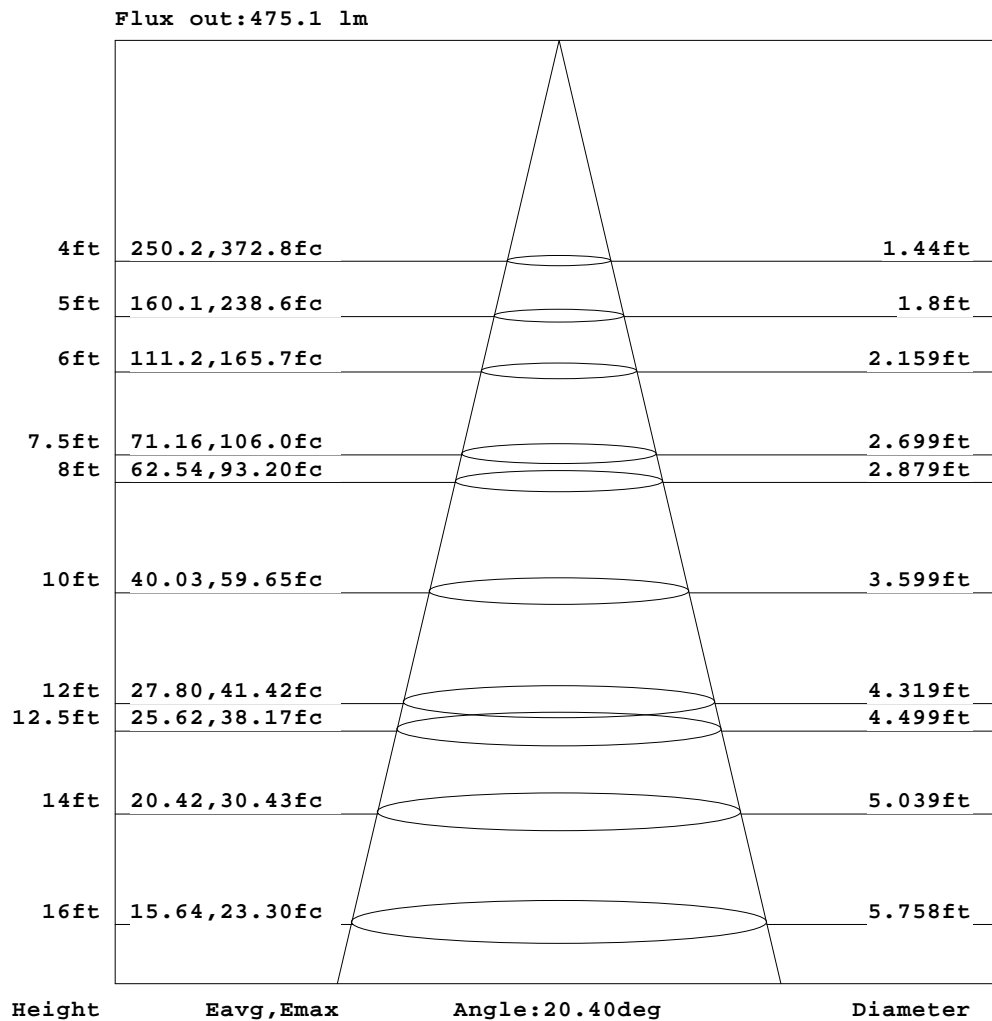


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## AAI Figure

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:



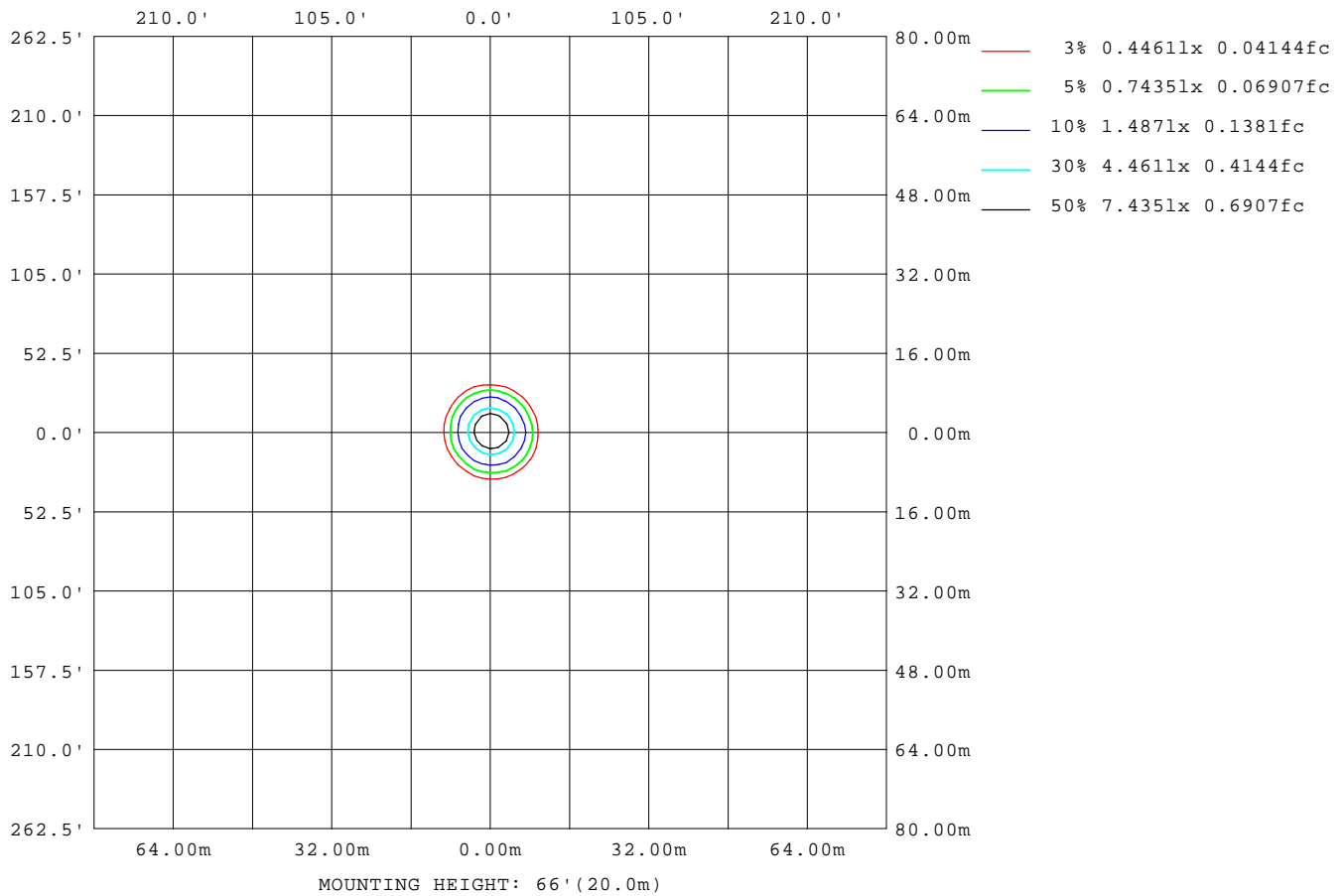
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:zoe  
Test Date:2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

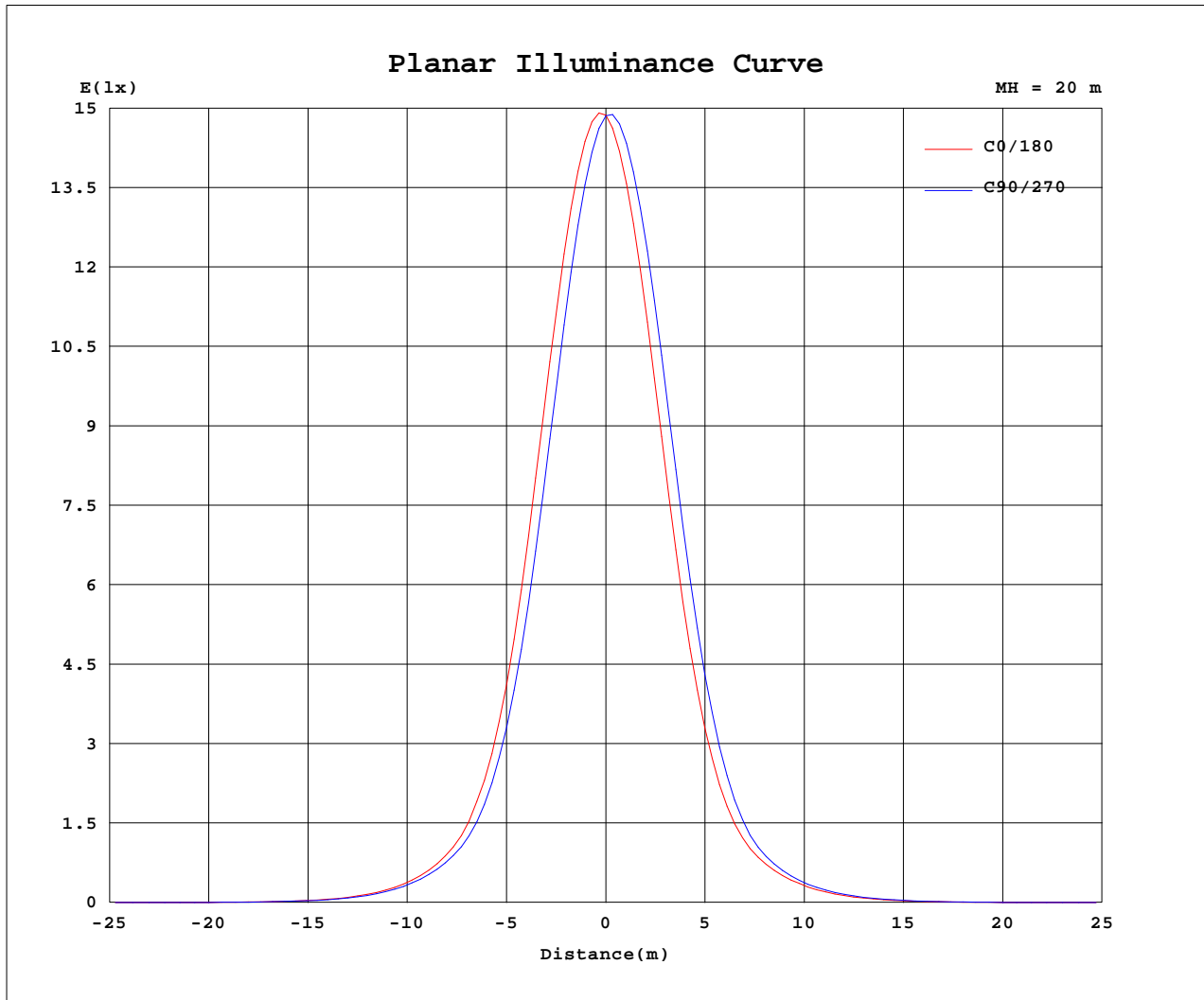
AvgL	cd/m2
L_0~180(65)av	84
L_0~180(75)av	38
L_0~180(85)av	73
L_90~270(65)av	74
L_90~270(75)av	30
L_90~270(85)av	66
L_45(65)av	92
L_45(75)av	27
L_45(85)av	29

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-14

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-1096 15R  
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: 2023-10-14

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-1096 15R  
 DRIVER: PUP20A-1WMC 450mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.1473A P:17.583W PF:0.9933 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.137-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310141229
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	5939	5939	5939	5939	5939	5939	5939	5939	5939	5939	5939	5939						
5	5297	5187	4974	4813	4716	4724	4824	4980	5194	5301	5365	5348						
10	3355	3250	2989	2777	2644	2657	2788	3005	3297	3423	3458	3400						
15	1518	1486	1329	1219	1138	1147	1208	1340	1540	1591	1595	1543						
20	610	616	561	507	471	471	491	537	611	614	617	604						
25	276	284	262	239	225	225	230	250	275	272	269	266						
30	119	121	111	103	97.8	98.8	101	110	121	119	119	117						
35	46.2	46.3	43.4	41.1	39.8	39.8	40.3	43.8	48.1	48.1	47.8	46.4						
40	17.8	17.8	16.5	15.7	15.4	15.3	15.5	17.1	19.1	19.0	19.2	18.2						
45	5.67	5.35	5.00	4.80	4.75	4.71	4.91	5.62	6.19	6.33	6.30	6.01						
50	2.36	2.45	2.48	2.16	2.02	1.94	2.08	2.38	2.54	2.31	2.37	2.33						
55	0.77	1.00	0.85	0.62	0.55	0.54	0.61	0.98	0.94	0.74	0.70	0.74						
60	0.33	0.43	0.43	0.27	0.24	0.22	0.26	0.39	0.49	0.38	0.32	0.31						
65	0.25	0.29	0.24	0.15	0.15	0.16	0.20	0.27	0.32	0.24	0.23	0.24						
70	0.12	0.12	0.08	0.08	0.08	0.10	0.11	0.12	0.11	0.08	0.08	0.11						
75	0.05	0.04	0.04	0.05	0.05	0.05	0.07	0.05	0.05	0.04	0.04	0.04						
80	0.05	0.03	0.03	0.04	0.03	0.04	0.06	0.04	0.03	0.04	0.03	0.03						
85	0.04	0.02	0.02	0.04	0.02	0.02	0.04	0.03	0.02	0.03	0.01	0.02						
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:2023-10-14

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-1096 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up