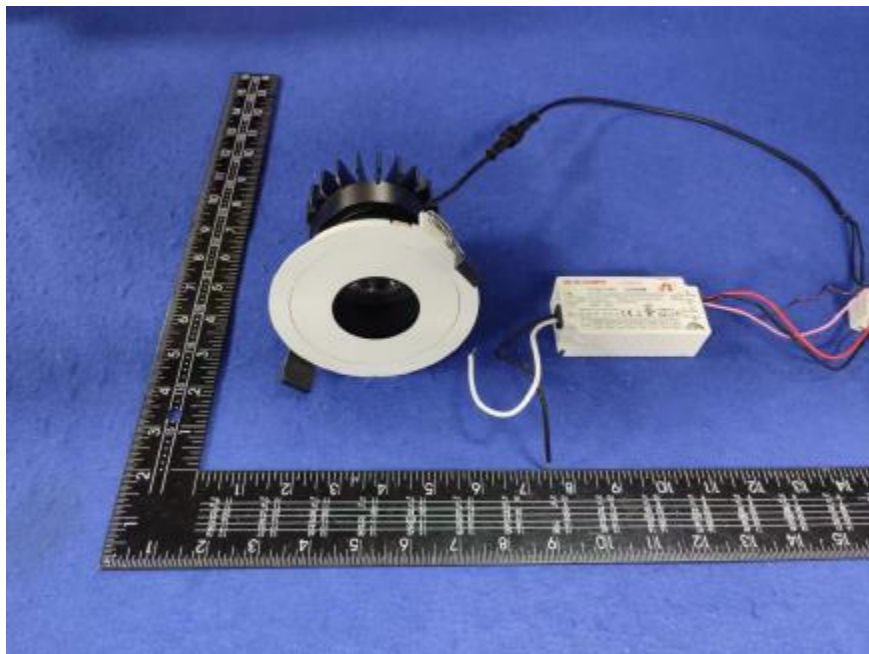


### Luminaire Photograph



Light Output Ratio:	65.3%	
Luminaire Power:	19.63 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: 2023-10-6

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-30G1000-A-83 Ra:90  
LENS: PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

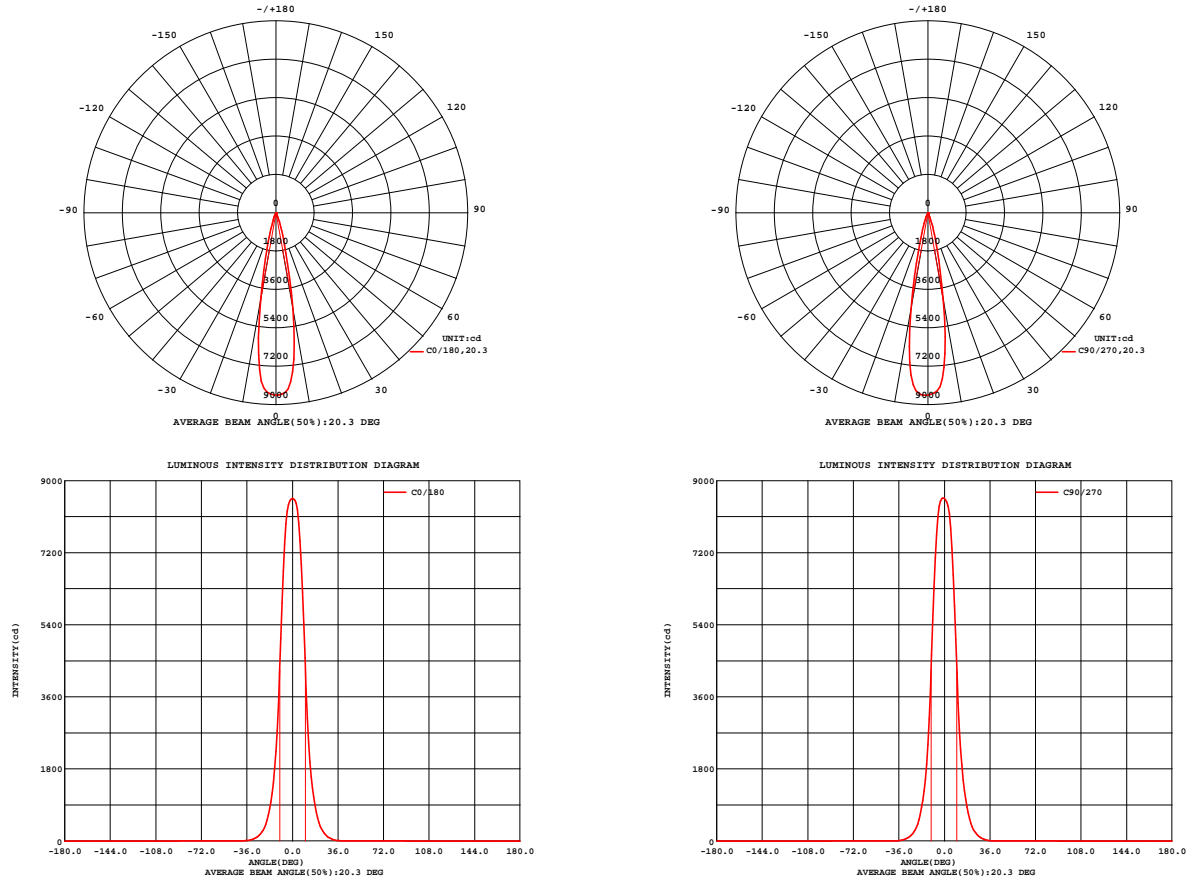


Fig. C0/C180

Fig. C90/C270

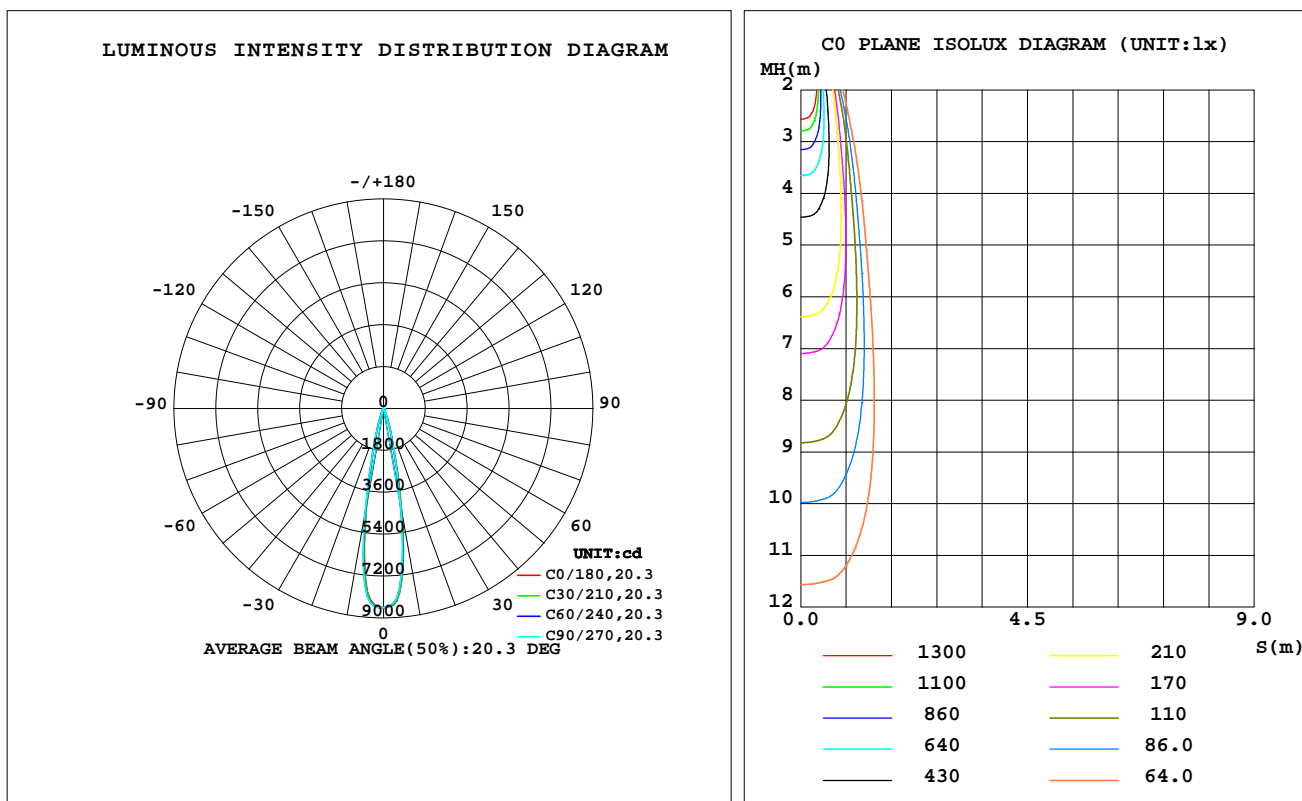
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-10-6

$\gamma$  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: BXRE-30G1000-A-83 Ra: 90  
LENS: PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.39 lm/W			
MODEL	Bridgelux	Imax(cd)	8562	S/MH(C0/180)	0.32
NOMINAL POWER(W)	20	LOR(%)	65.3	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1225.0	$\eta$ UP,DN(C0-180)	0.0,32.5
NOMINAL FLUX(lm)	1874.5	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,32.8
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	$\eta$ down(%)	65.3	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-6

$\gamma$  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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
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	4580	4384	4194	4177	4195	4419	4632	4611	0- 10	640.3	640.3	52.3,34.2
20	582.5	569.0	555.7	536.7	515.7	509.4	532.4	545.0	10- 20	471.2	1111	90.7,59.3
30	64.66	62.78	61.14	61.30	59.73	58.64	59.35	59.85	20- 30	96.81	1208	98.6,64.5
40	6.108	5.371	5.103	5.345	5.956	4.957	4.912	5.163	30- 40	12.81	1221	99.7,65.1
50	1.533	0.9547	1.023	1.255	1.771	1.430	1.218	1.122	40- 50	2.401	1223	99.9,65.3
60	0.8497	0.4689	0.3840	0.5401	1.067	0.7946	0.6767	0.6862	50- 60	0.7750	1224	99.9,65.3
70	0.3748	0.1790	0.1279	0.2089	0.4697	0.3959	0.3561	0.3432	60- 70	0.4732	1225	100,65.3
80	0.1369	0.0792	0.0806	0.0814	0.1569	0.1240	0.1111	0.1081	70- 80	0.1977	1225	100,65.3
90	0	0	0	0	0	0	0	0	80- 90	0.0506	1225	100,65.3
100	0	0	0	0	0	0	0	0	90-100	0	1225	100,65.3
110	0	0	0	0	0	0	0	0	100-110	0	1225	100,65.3
120	0	0	0	0	0	0	0	0	110-120	0	1225	100,65.3
130	0	0	0	0	0	0	0	0	120-130	0	1225	100,65.3
140	0	0	0	0	0	0	0	0	130-140	0	1225	100,65.3
150	0	0	0	0	0	0	0	0	140-150	0	1225	100,65.3
160	0	0	0	0	0	0	0	0	150-160	0	1225	100,65.3
170	0	0	0	0	0	0	0	0	160-170	0	1225	100,65.3
180	0	0	0	0	0	0	0	0	170-180	0	1225	100,65.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-6

$\gamma$  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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz  
Lamp Flux:1874.5x1 lm

NAME: 2318.138-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

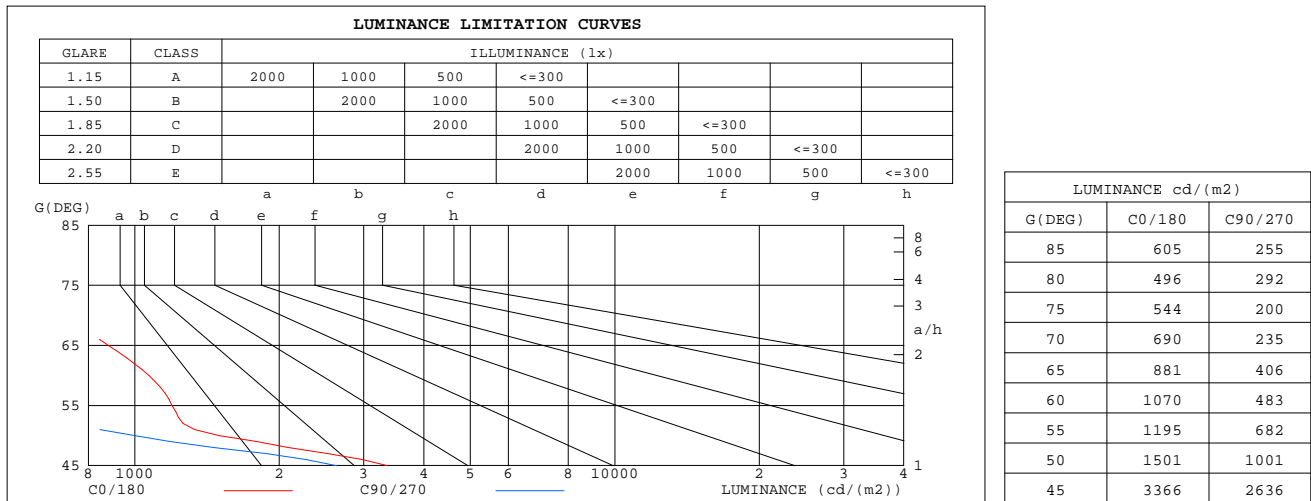
DIM.:

SERIAL No.: 2310061208

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:2023-10-6

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-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz  
Lamp Flux:1874.5x1 lm

NAME: 2318.138-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

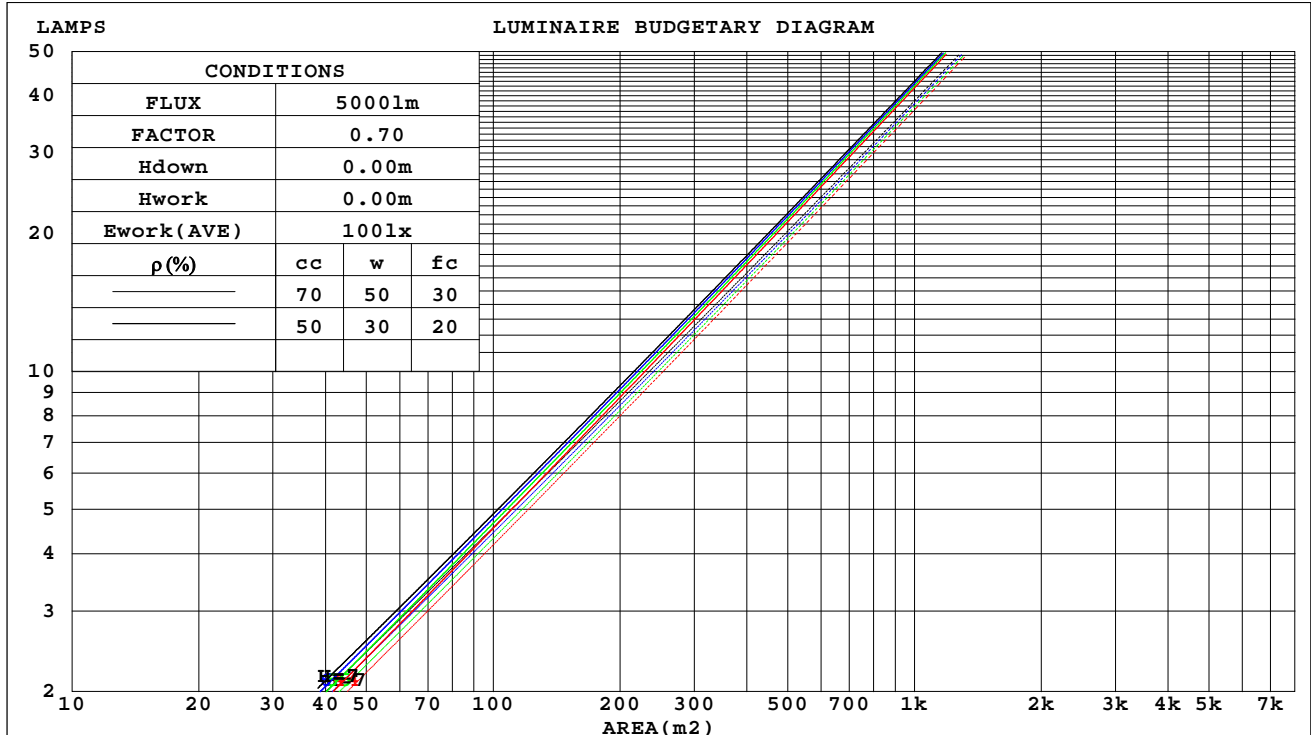
SERIAL No.: 2310061208

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	.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	.70	.69	.68	.67	.67	.66	.65	.65	.64
2.0	.71	.70	.68	.70	.69	.68	.68	.67	.66	.67	.66	.65	.65	.64	.63	.62
3.0	.69	.67	.65	.68	.66	.65	.67	.65	.64	.65	.64	.63	.64	.63	.62	.61
4.0	.67	.65	.63	.66	.64	.63	.65	.63	.62	.64	.62	.61	.63	.62	.61	.60
5.0	.65	.63	.61	.65	.62	.61	.64	.62	.60	.63	.61	.60	.62	.60	.59	.59
6.0	.63	.61	.59	.63	.61	.59	.62	.60	.59	.61	.60	.59	.61	.59	.58	.58
7.0	.62	.60	.58	.62	.59	.58	.61	.59	.58	.60	.59	.57	.60	.58	.57	.57
8.0	.61	.58	.57	.60	.58	.57	.60	.58	.56	.59	.58	.56	.59	.57	.56	.56
9.0	.59	.57	.56	.59	.57	.56	.59	.57	.55	.58	.56	.55	.58	.56	.55	.55
10.0	.58	.56	.55	.58	.56	.55	.58	.56	.54	.57	.55	.54	.57	.55	.54	.54



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-6

$\gamma$  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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

### WEC AND CCEC

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
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	.079	.045	.014	.075	.043	.014	.067	.038	.012	.060	.034	.011	.053	.031	.010	
2.0	.072	.040	.012	.069	.038	.012	.062	.035	.011	.056	.032	.010	.051	.029	.009	
3.0	.067	.036	.011	.064	.034	.010	.058	.032	.010	.053	.029	.009	.049	.027	.008	
4.0	.062	.032	.009	.059	.031	.009	.055	.029	.009	.051	.027	.008	.047	.025	.008	
5.0	.058	.029	.009	.056	.029	.008	.052	.027	.008	.048	.026	.008	.045	.024	.007	
6.0	.054	.027	.008	.053	.027	.008	.049	.025	.007	.046	.024	.007	.043	.023	.007	
7.0	.051	.025	.007	.050	.025	.007	.047	.024	.007	.044	.023	.007	.042	.022	.006	
8.0	.049	.024	.007	.047	.023	.007	.045	.022	.006	.043	.022	.006	.040	.021	.006	
9.0	.046	.022	.006	.045	.022	.006	.043	.021	.006	.041	.021	.006	.039	.020	.006	
10.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.039	.020	.006	.038	.019	.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	.124	.124	.124	.106	.106	.106	.073	.073	.073	.042	.042	.042	.013	.013	.013		
1.0	.109	.103	.098	.094	.089	.084	.064	.061	.058	.037	.035	.034	.012	.011	.011		
2.0	.097	.087	.078	.083	.075	.068	.057	.052	.047	.033	.030	.028	.011	.010	.009		
3.0	.086	.074	.064	.074	.064	.056	.051	.044	.039	.029	.026	.023	.009	.008	.008		
4.0	.078	.064	.053	.067	.055	.046	.046	.038	.033	.026	.022	.019	.009	.007	.006		
5.0	.070	.056	.045	.060	.048	.039	.042	.034	.027	.024	.020	.016	.008	.006	.005		
6.0	.064	.049	.038	.055	.042	.033	.038	.030	.023	.022	.017	.014	.007	.006	.005		
7.0	.059	.043	.032	.051	.038	.028	.035	.026	.020	.020	.016	.012	.007	.005	.004		
8.0	.054	.039	.028	.047	.034	.024	.032	.024	.017	.019	.014	.010	.006	.005	.003		
9.0	.050	.035	.024	.043	.030	.021	.030	.021	.015	.018	.013	.009	.006	.004	.003		
10.0	.047	.032	.021	.041	.027	.019	.028	.019	.013	.016	.011	.008	.005	.004	.003		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-6

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-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm										
NAME: 2318.138-LEA-15					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2310061208		
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	0.8	1.4	1.0	1.5	1.7	0.2	0.7	0.3	0.8	1.0
3H	0.8	1.3	1.0	1.5	1.6	0.0	0.5	0.3	0.7	0.9
4H	0.7	1.2	1.0	1.4	1.6	-0.0	0.5	0.2	0.7	0.9
6H	0.7	1.1	1.0	1.4	1.6	-0.1	0.4	0.2	0.6	0.8
8H	0.7	1.1	0.9	1.3	1.6	-0.1	0.3	0.1	0.5	0.8
12H	0.6	1.1	0.9	1.3	1.6	-0.2	0.3	0.1	0.5	0.8
4H 2H	0.6	1.1	0.9	1.3	1.5	-0.0	0.5	0.2	0.7	0.9
3H	0.6	1.0	0.9	1.3	1.5	-0.2	0.3	0.1	0.5	0.8
4H	0.5	0.9	0.8	1.2	1.5	-0.3	0.1	0.1	0.4	0.7
6H	0.5	0.8	0.8	1.1	1.5	-0.3	0.0	0.0	0.3	0.7
8H	0.4	0.8	0.8	1.1	1.5	-0.4	-0.1	-0.0	0.3	0.7
12H	0.4	0.7	0.8	1.1	1.5	-0.4	-0.1	-0.0	0.2	0.6
8H 4H	0.4	0.7	0.8	1.0	1.4	-0.4	-0.1	-0.0	0.3	0.6
6H	0.3	0.6	0.7	1.0	1.4	-0.5	-0.2	-0.1	0.2	0.6
8H	0.3	0.5	0.7	0.9	1.4	-0.5	-0.3	-0.1	0.1	0.6
12H	0.3	0.5	0.7	0.9	1.4	-0.6	-0.4	-0.1	0.1	0.5
12H 4H	0.3	0.6	0.7	1.0	1.4	-0.5	-0.2	-0.1	0.2	0.6
6H	0.2	0.5	0.7	0.9	1.3	-0.6	-0.3	-0.1	0.1	0.5
8H	0.2	0.4	0.7	0.9	1.3	-0.6	-0.4	-0.1	0.1	0.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / - 3.8					+ 2.8 / - 5.5				
1.5H	+ 4.5 / - 4.6					+ 4.6 / - 5.6				
2.0H	+ 5.0 / - 2.9					+ 5.7 / - 2.8				

CIE Pub.117, 1875 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)  
Area: 0.00158963 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-6

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-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

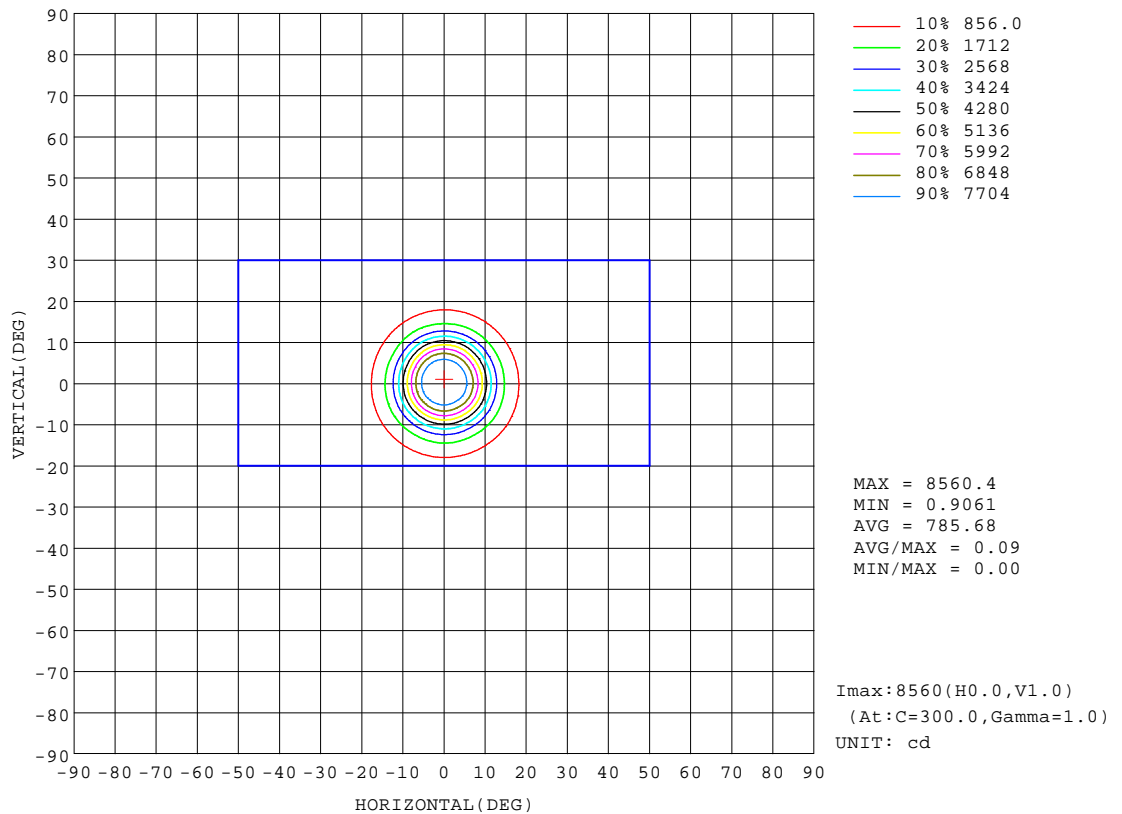
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	56	54	59	56	54	59	56	54	52
0.80	64	61	59	64	61	59	63	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	70	68	66	70	67	66	68	66	65	62
2.00	72	69	68	71	69	67	69	67	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:2023-10-6

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-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

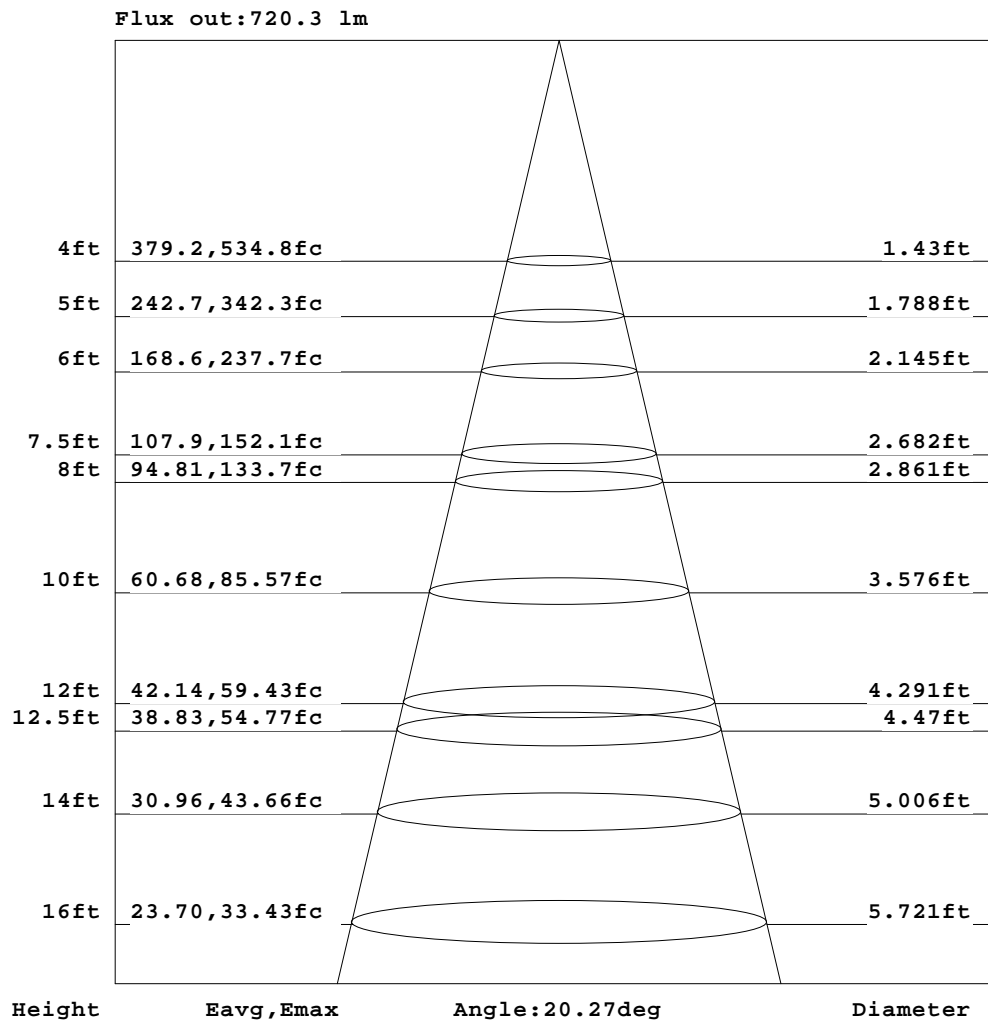


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-6

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-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## AAI Figure

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:



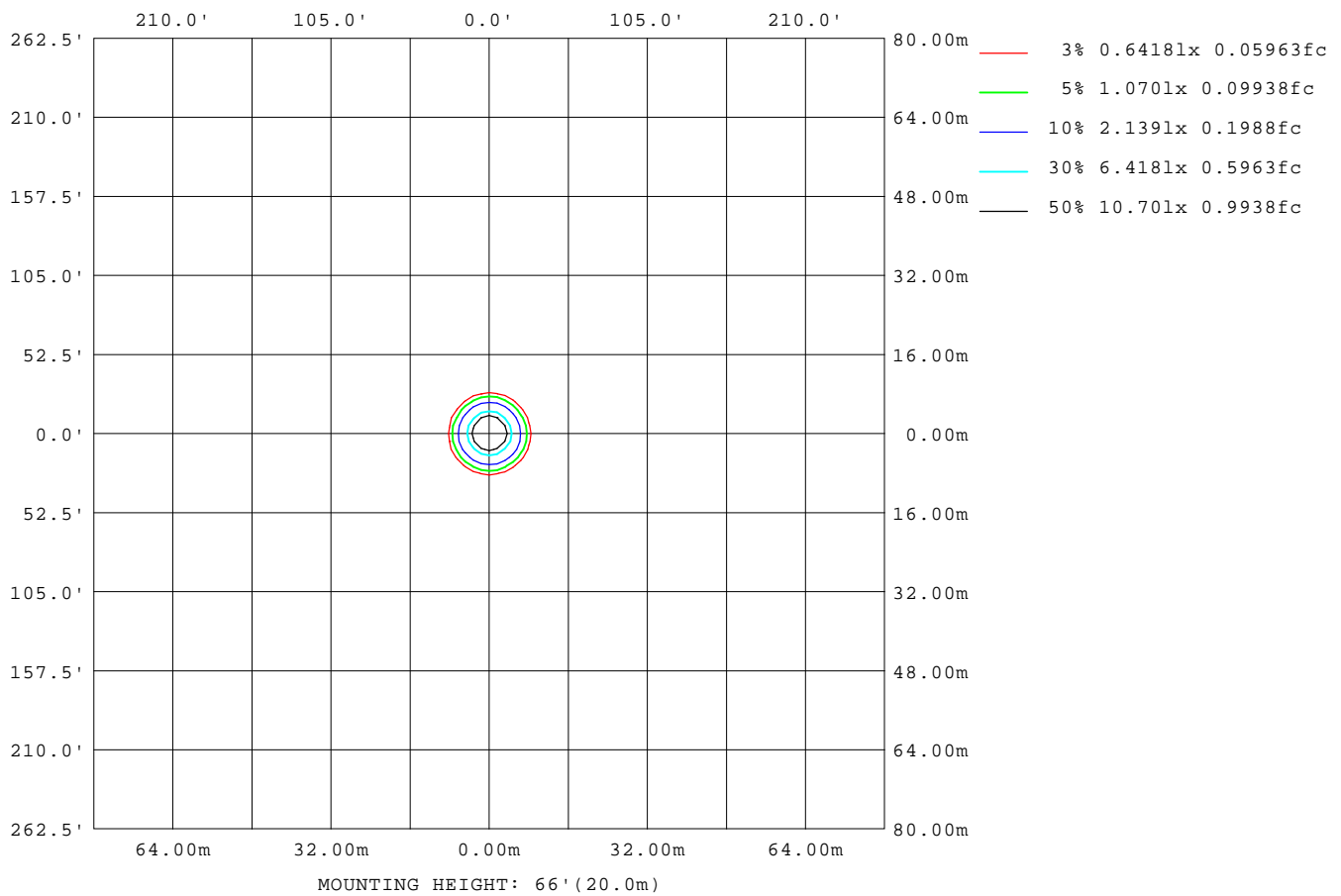
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-10-6

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-30G1000-A-83 Ra: 90  
LENS: PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
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:2023-10-6

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-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

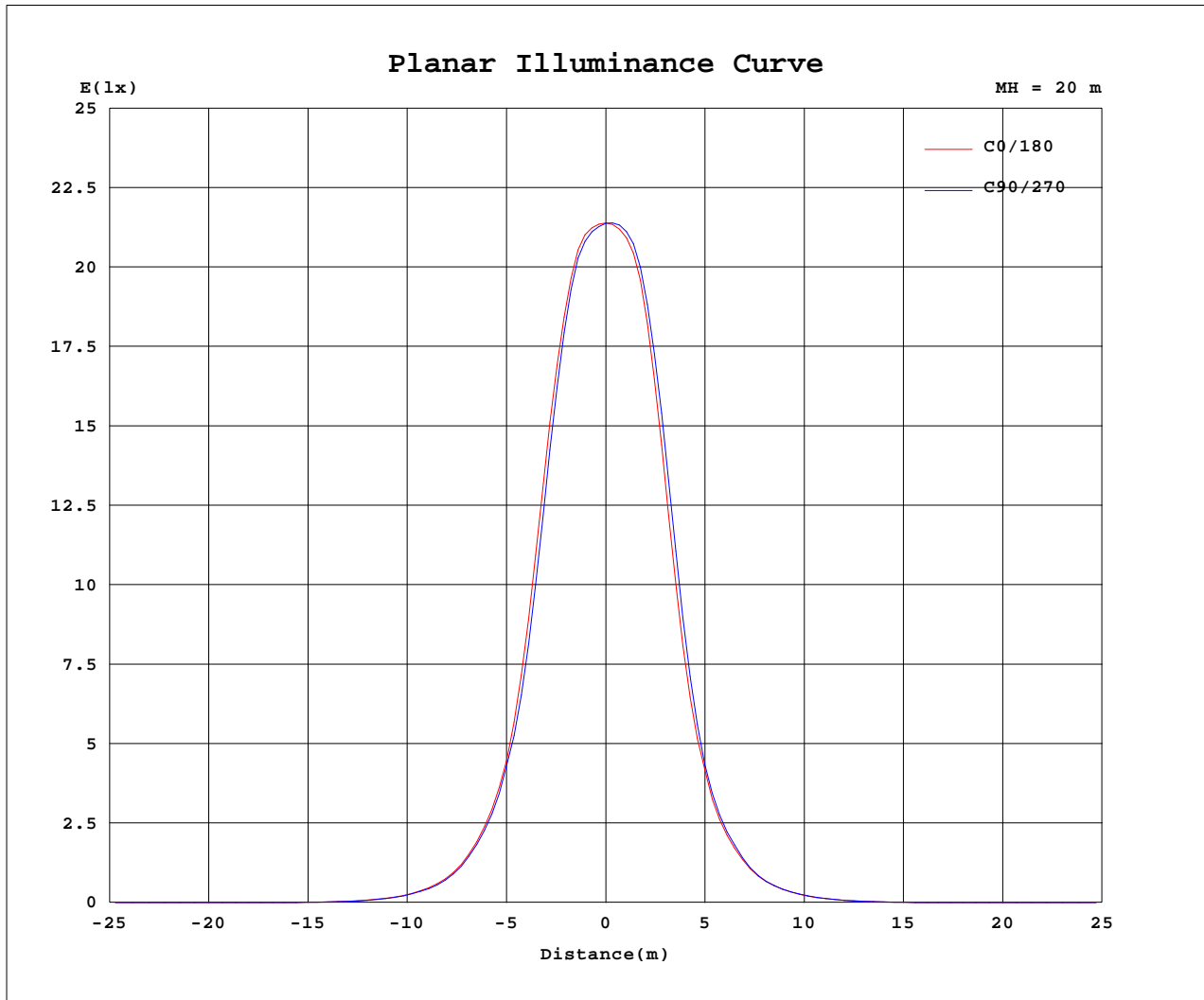
AvgL	cd/m2
L_0~180(65)av	996
L_0~180(75)av	607
L_0~180(85)av	552
L_90~270(65)av	588
L_90~270(75)av	378
L_90~270(85)av	242
L_45(65)av	659
L_45(75)av	399
L_45(85)av	148

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-10-6

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-30G1000-A-83 Ra:90  
LENS:PM-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
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: 2023-10-6

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-30G1000-A-83 Ra: 90  
 LENS: PM-1083 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.08V I:0.1644A P:19.634W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310061208
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	8553	8553	8553	8553	8553	8553	8553	8553	8553	8553	8553	8553						
5	7945	7906	7810	7809	7841	7901	7922	7982	8080	8089	8052	7985						
10	4580	4500	4269	4194	4166	4188	4195	4289	4549	4632	4643	4579						
15	1608	1625	1538	1526	1485	1483	1450	1446	1519	1531	1565	1567						
20	583	589	549	556	539	535	516	501	518	532	542	548						
25	201	206	189	194	187	187	180	175	180	182	187	188						
30	64.7	65.2	60.4	61.1	60.4	62.2	59.7	58.0	59.3	59.4	59.7	60.0						
35	15.8	15.6	13.9	15.1	15.5	17.4	15.8	15.1	15.0	14.6	14.0	14.3						
40	6.11	5.82	4.92	5.10	4.97	5.72	5.96	5.32	4.59	4.91	4.86	5.47						
45	3.78	3.42	2.93	2.96	2.88	3.37	3.94	3.26	2.70	2.89	3.04	3.37						
50	1.53	1.16	0.75	1.02	1.06	1.45	1.77	1.71	1.15	1.22	0.99	1.26						
55	1.09	0.72	0.52	0.62	0.63	0.84	1.36	1.09	0.83	0.78	0.75	0.90						
60	0.85	0.56	0.38	0.38	0.43	0.65	1.07	0.88	0.71	0.68	0.64	0.73						
65	0.59	0.38	0.28	0.27	0.31	0.46	0.75	0.64	0.54	0.52	0.49	0.53						
70	0.37	0.22	0.14	0.13	0.15	0.26	0.47	0.42	0.37	0.36	0.34	0.35						
75	0.22	0.13	0.09	0.08	0.09	0.15	0.28	0.26	0.23	0.23	0.21	0.21						
80	0.14	0.08	0.07	0.08	0.07	0.09	0.16	0.14	0.11	0.11	0.10	0.11						
85	0.08	0.03	0.02	0.04	0.02	0.03	0.07	0.03	0.02	0.03	0.01	0.03						
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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