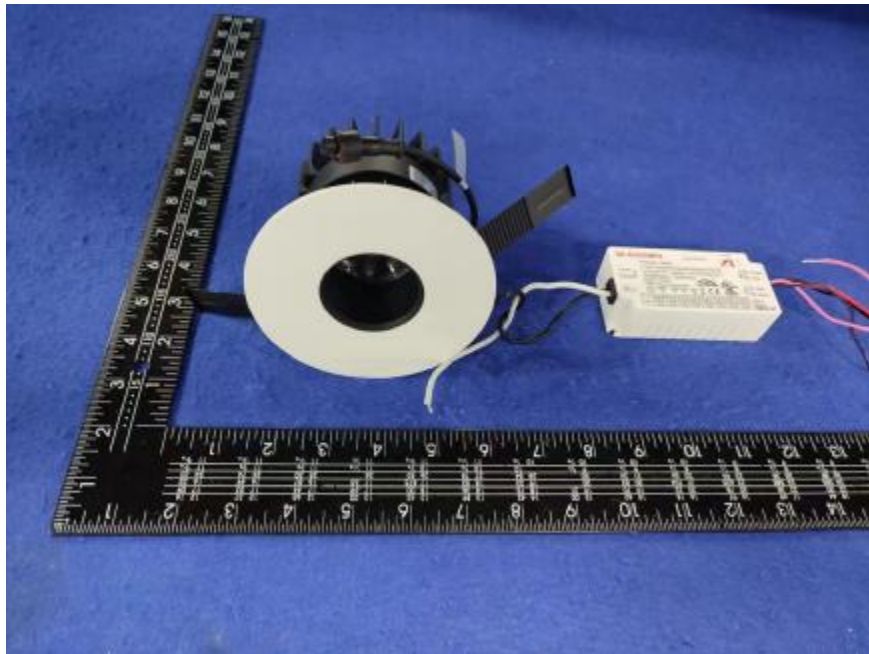


### Luminaire Photograph



Light Output Ratio:	59.8%	
Luminaire Power:	20.97 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: 2024-7-23

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

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

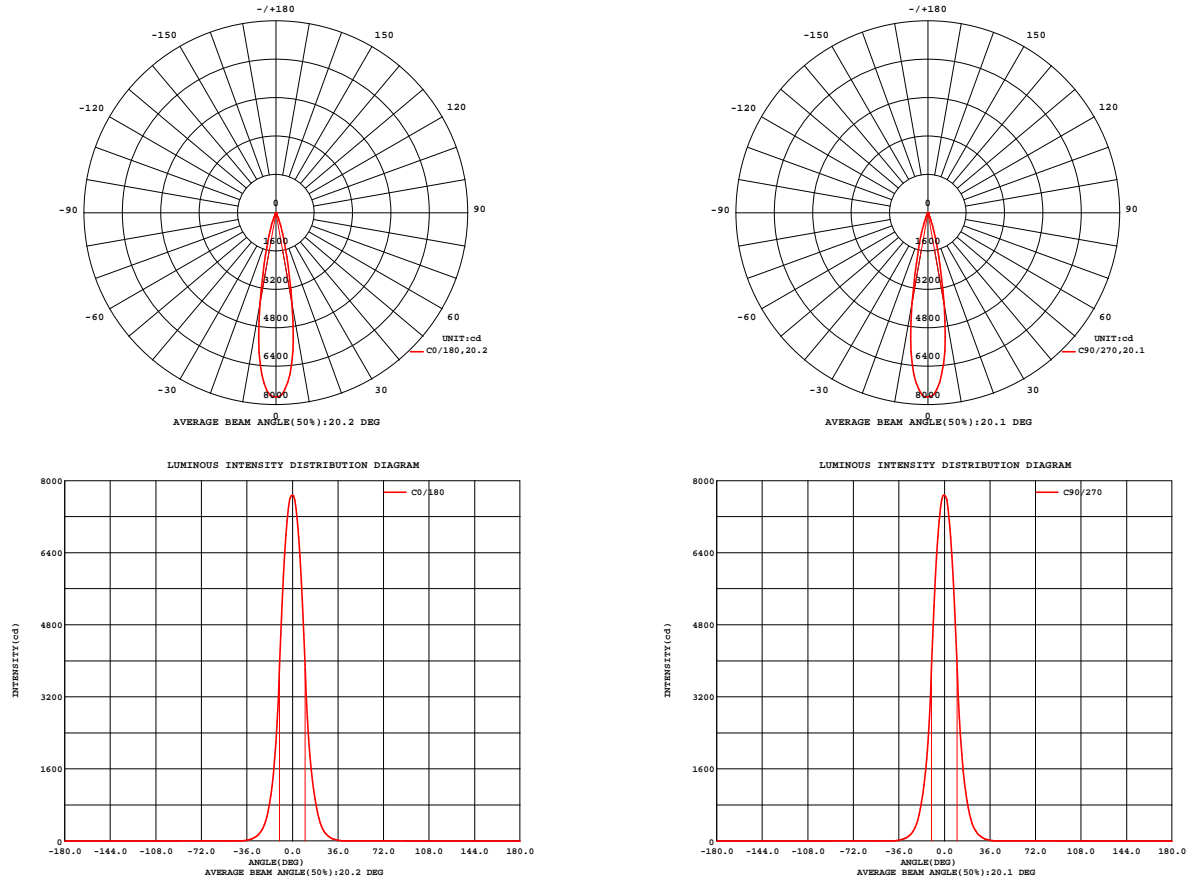


Fig. C0/C180

Fig. C90/C270

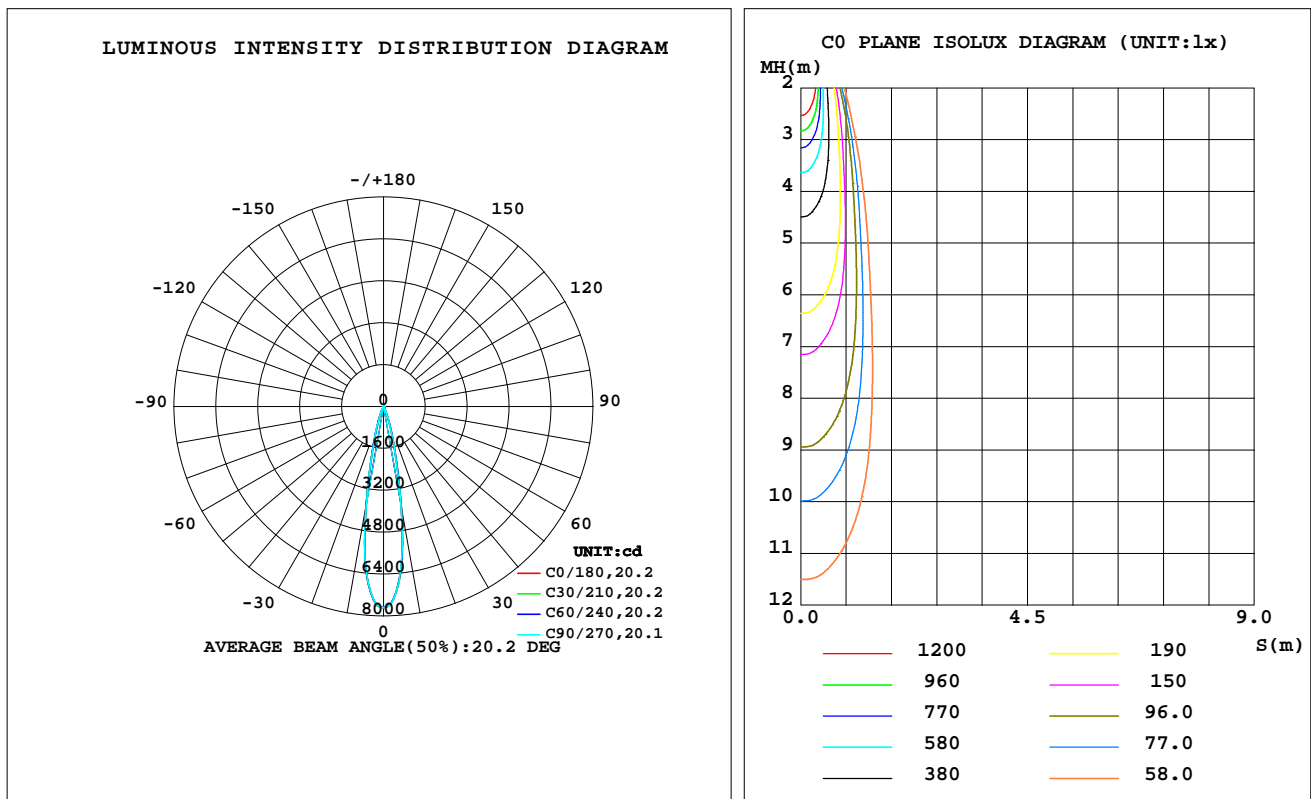
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-7-23

$\gamma$  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: 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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 54.14 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	7677	S/MH(C0/180)	0.34
NOMINAL POWER(W)	20	LOR(%)	59.8	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1135.5	η UP,DN(C0-180)	0.0,30.2
NOMINAL FLUX(lm)	1897.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,29.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	59.8	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

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: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	3915	3955	3920	3869	3888	3883	3859	3871	0- 10	552.2	552.2	48.6,29.1
20	623.9	623.3	596.7	558.8	553.0	560.4	570.4	592.3	10- 20	455.7	1008	88.8,53.1
30	77.91	79.16	75.86	73.13	73.23	72.47	70.94	73.07	20- 30	107.4	1115	98.2,58.8
40	5.512	5.672	5.440	5.473	5.493	5.236	5.078	5.167	30- 40	17.18	1133	99.7,59.7
50	0.9023	1.208	1.112	1.149	1.275	1.029	0.8408	0.9836	40- 50	2.374	1135	99.9,59.8
60	0.2136	0.2161	0.2207	0.2284	0.2409	0.2271	0.2172	0.2069	50- 60	0.3658	1135	100,59.8
70	0.1176	0.1056	0.1104	0.1143	0.1280	0.1086	0.1105	0.1017	60- 70	0.1537	1135	100,59.8
80	0.1027	0.0588	0.0667	0.0633	0.0905	0.0575	0.0640	0.0529	70- 80	0.0926	1136	100,59.8
90	0	0	0	0	0	0	0	0	80- 90	0.0352	1136	100,59.8
100	0	0	0	0	0	0	0	0	90-100	0	1136	100,59.8
110	0	0	0	0	0	0	0	0	100-110	0	1136	100,59.8
120	0	0	0	0	0	0	0	0	110-120	0	1136	100,59.8
130	0	0	0	0	0	0	0	0	120-130	0	1136	100,59.8
140	0	0	0	0	0	0	0	0	130-140	0	1136	100,59.8
150	0	0	0	0	0	0	0	0	140-150	0	1136	100,59.8
160	0	0	0	0	0	0	0	0	150-160	0	1136	100,59.8
170	0	0	0	0	0	0	0	0	160-170	0	1136	100,59.8
180	0	0	0	0	0	0	0	0	170-180	0	1136	100,59.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

$\gamma$  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: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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz  
Lamp Flux:1897.7x1 lm

NAME: 2318.166-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

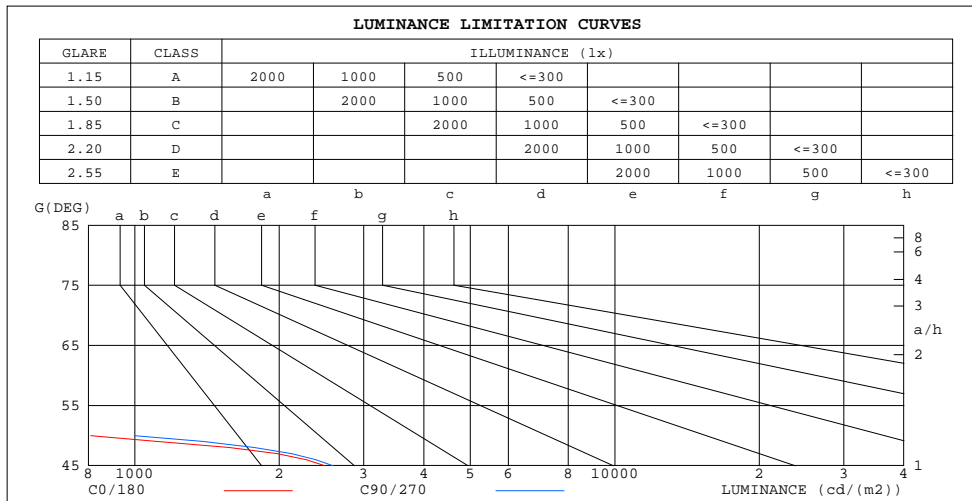
DIM.:

SERIAL No.: 2407230935

MFR.: RISE

SUR.: 0.001734065m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	456	209
80	341	221
75	240	207
70	198	186
65	207	201
60	246	255
55	322	337
50	810	997
45	2491	2588

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

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: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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz  
Lamp Flux:1897.7x1 lm

NAME: 2318.166-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

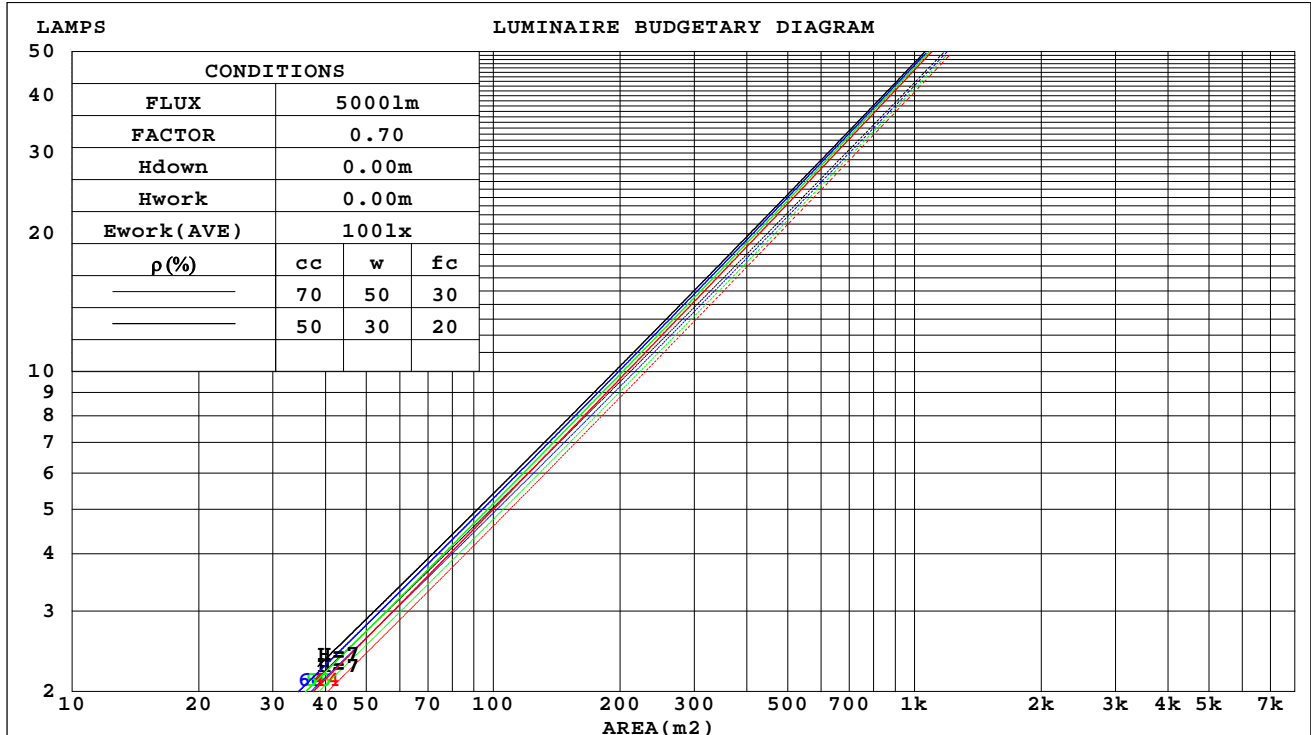
SERIAL No.: 2407230935

MFR.: RISE

SUR.: 0.001734065m2

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	.71	.71	.71	.70	.70	.70	.66	.66	.66	.64	.64	.64	.61	.61	.61	.60
1.0	.68	.67	.66	.67	.66	.65	.64	.64	.63	.62	.62	.61	.60	.60	.59	.58
2.0	.65	.64	.62	.64	.63	.62	.62	.61	.60	.61	.60	.59	.59	.58	.58	.57
3.0	.63	.61	.59	.62	.60	.59	.61	.59	.58	.59	.58	.57	.58	.57	.56	.56
4.0	.61	.59	.57	.60	.58	.57	.59	.58	.56	.58	.57	.56	.57	.56	.55	.54
5.0	.59	.57	.55	.59	.57	.55	.58	.56	.55	.57	.55	.54	.56	.55	.54	.53
6.0	.58	.55	.54	.57	.55	.54	.56	.55	.53	.56	.54	.53	.55	.54	.53	.52
7.0	.56	.54	.52	.56	.54	.52	.55	.53	.52	.55	.53	.52	.54	.53	.52	.51
8.0	.55	.53	.51	.54	.52	.51	.54	.52	.51	.53	.52	.51	.53	.52	.51	.50
9.0	.54	.51	.50	.53	.51	.50	.53	.51	.50	.52	.51	.50	.52	.51	.50	.49
10.0	.52	.50	.49	.52	.50	.49	.52	.50	.49	.51	.50	.49	.51	.50	.49	.48



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

$\gamma$  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: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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.074	.042	.013	.070	.040	.013	.063	.036	.012	.056	.032	.010	.050	.029	.009	
2.0	.068	.037	.011	.065	.036	.011	.059	.033	.010	.053	.030	.009	.048	.027	.009	
3.0	.063	.033	.010	.060	.032	.010	.055	.030	.009	.051	.028	.008	.046	.026	.008	
4.0	.058	.030	.009	.056	.029	.009	.052	.028	.008	.048	.026	.008	.045	.024	.007	
5.0	.055	.028	.008	.053	.027	.008	.049	.026	.008	.046	.024	.007	.043	.023	.007	
6.0	.051	.026	.007	.050	.025	.007	.047	.024	.007	.044	.023	.007	.041	.022	.006	
7.0	.049	.024	.007	.047	.024	.007	.045	.023	.007	.042	.022	.006	.040	.021	.006	
8.0	.046	.023	.006	.045	.022	.006	.043	.021	.006	.041	.021	.006	.039	.020	.006	
9.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.039	.020	.006	.037	.019	.005	
10.0	.042	.020	.006	.041	.020	.006	.039	.019	.005	.038	.019	.005	.036	.018	.005	

$\rho_{cc}$	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			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.114	.114	.114	.097	.097	.097	.066	.066	.066	.038	.038	.038	.012	.012	.012	
1.0	.100	.094	.089	.086	.081	.077	.059	.056	.053	.034	.032	.031	.011	.010	.010	
2.0	.089	.079	.072	.076	.068	.062	.052	.047	.043	.030	.028	.025	.010	.009	.008	
3.0	.079	.068	.058	.068	.058	.051	.047	.041	.036	.027	.024	.021	.009	.008	.007	
4.0	.072	.058	.048	.061	.050	.042	.042	.035	.030	.024	.021	.018	.008	.007	.006	
5.0	.065	.051	.041	.056	.044	.035	.038	.031	.025	.022	.018	.015	.007	.006	.005	
6.0	.059	.045	.034	.051	.039	.030	.035	.027	.021	.020	.016	.013	.007	.005	.004	
7.0	.054	.040	.029	.047	.034	.026	.032	.024	.018	.019	.014	.011	.006	.005	.004	
8.0	.050	.036	.025	.043	.031	.022	.030	.022	.016	.017	.013	.009	.006	.004	.003	
9.0	.047	.032	.022	.040	.028	.019	.028	.020	.014	.016	.012	.008	.005	.004	.003	
10.0	.044	.029	.019	.038	.025	.017	.026	.018	.012	.015	.011	.007	.005	.003	.002	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

$\gamma$  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: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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm											
NAME: 2318.166-LEA-15					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2407230935			
MFR.: RISE					SUR.: 0.001734065m2			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	2.5	3.1	2.7	3.2	3.4	2.4	3.0	2.6	3.1	3.3	
	3H	2.4	2.9	2.6	3.1	3.3	2.3	2.8	2.5	3.0	3.2
	4H	2.3	2.8	2.5	3.0	3.2	2.2	2.7	2.5	2.9	3.1
	6H	2.2	2.7	2.5	2.9	3.2	2.1	2.6	2.4	2.8	3.1
	8H	2.2	2.6	2.5	2.9	3.1	2.1	2.6	2.4	2.8	3.0
	12H	2.1	2.6	2.4	2.8	3.1	2.0	2.5	2.3	2.7	3.0
4H	2H	2.3	2.8	2.5	3.0	3.2	2.2	2.7	2.5	2.9	3.1
	3H	2.1	2.6	2.4	2.8	3.1	2.0	2.5	2.3	2.7	3.0
	4H	2.0	2.4	2.4	2.7	3.0	1.9	2.4	2.3	2.6	2.9
	6H	1.9	2.3	2.3	2.6	3.0	1.9	2.2	2.2	2.5	2.9
	8H	1.9	2.2	2.3	2.6	2.9	1.8	2.1	2.2	2.5	2.8
	12H	1.9	2.2	2.3	2.5	2.9	1.7	2.1	2.1	2.4	2.8
8H	4H	1.9	2.2	2.3	2.6	2.9	1.8	2.1	2.2	2.5	2.8
	6H	1.8	2.1	2.2	2.5	2.9	1.7	2.0	2.1	2.4	2.8
	8H	1.7	2.0	2.2	2.4	2.8	1.6	1.9	2.1	2.3	2.7
	12H	1.7	1.9	2.1	2.3	2.8	1.6	1.8	2.0	2.2	2.7
12H	4H	1.8	2.1	2.2	2.5	2.9	1.7	2.1	2.1	2.4	2.8
	6H	1.7	2.0	2.2	2.4	2.8	1.6	1.9	2.1	2.3	2.7
	8H	1.7	1.9	2.1	2.3	2.8	1.6	1.8	2.0	2.2	2.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 4.5 / - 8.8					+ 4.9 / - 9.9					
1.5H	+ 6.6 / - 8.7					+ 7.0 / - 9.7					
2.0H	+ 6.1 / - 4.5					+ 6.3 / - 5.4					

CIE Pub.117, 1898 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)  
Area: 0.00173407 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

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: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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

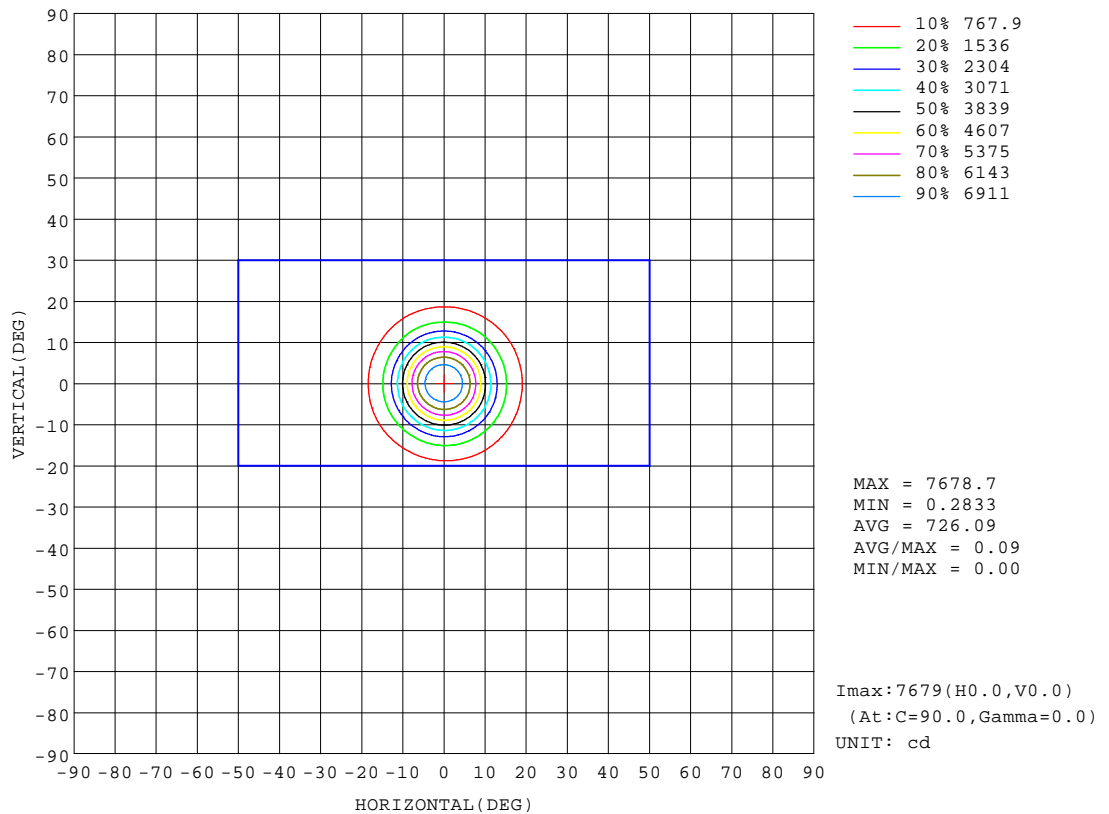
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	51	49	54	51	49	54	51	49	47
0.80	59	56	54	58	56	54	58	55	54	52
1.00	61	58	56	61	58	56	60	58	56	54
1.25	63	60	59	63	60	58	61	59	58	56
1.50	65	62	60	64	62	60	63	61	59	57
2.00	66	64	62	65	63	61	63	62	61	58
2.50	67	65	63	66	64	63	64	63	61	58
3.00	67	66	64	66	65	64	64	63	62	59
4.00	69	67	66	67	66	65	65	64	64	59
5.00	69	68	67	68	67	66	66	65	64	60
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:2024-7-23

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

## ISOCANDELA DIAGRAM

Test:U:120.08V I:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

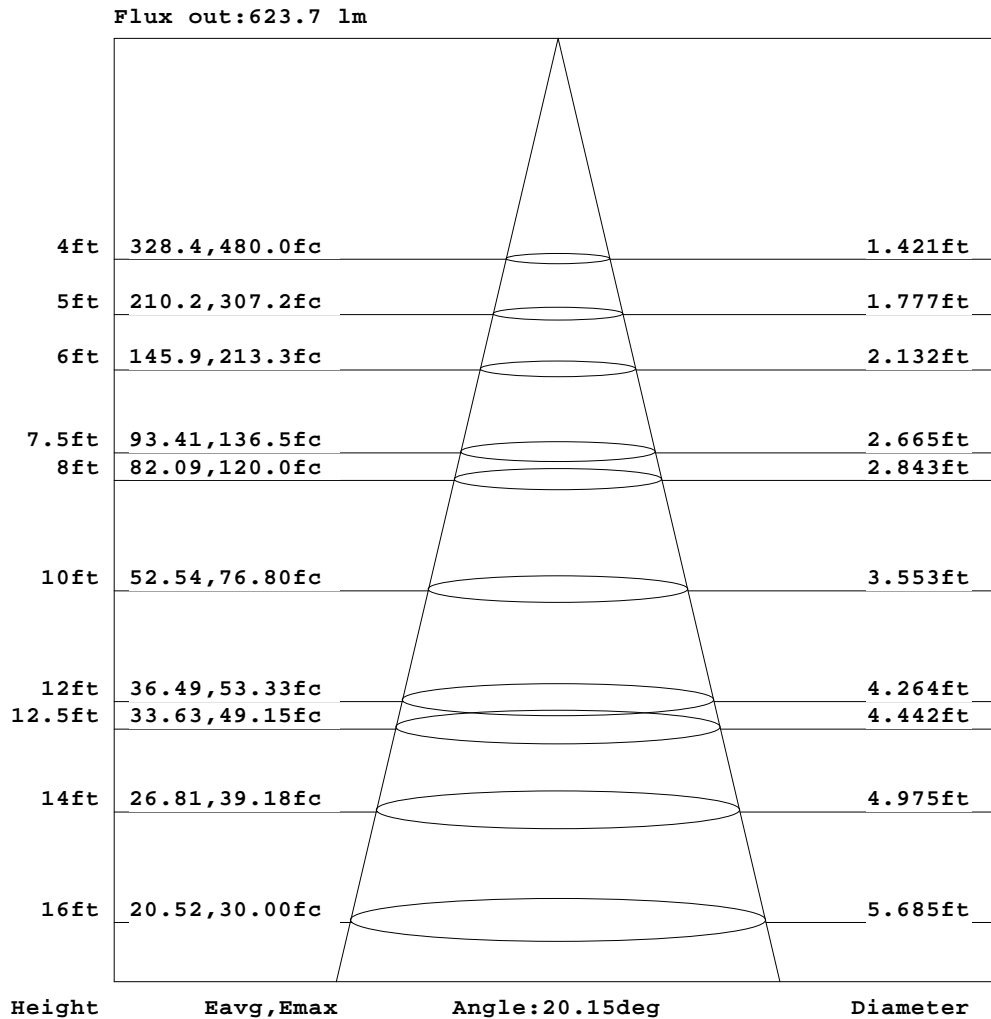


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-7-23

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

## AAI Figure

Test:U:120.08V I:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:



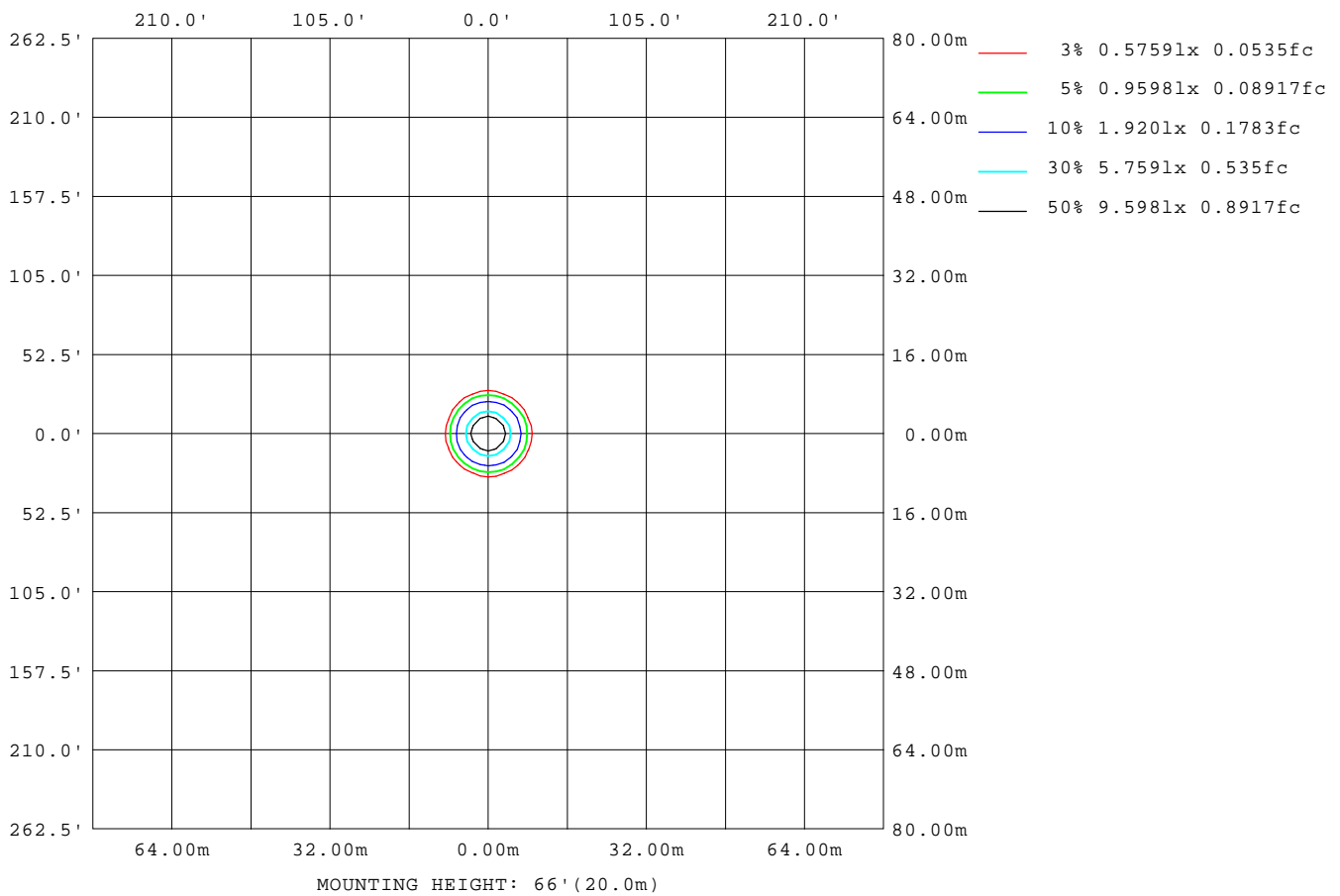
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

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

## ISOLUX DIAGRAM

Test:U:120.08V I:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

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: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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

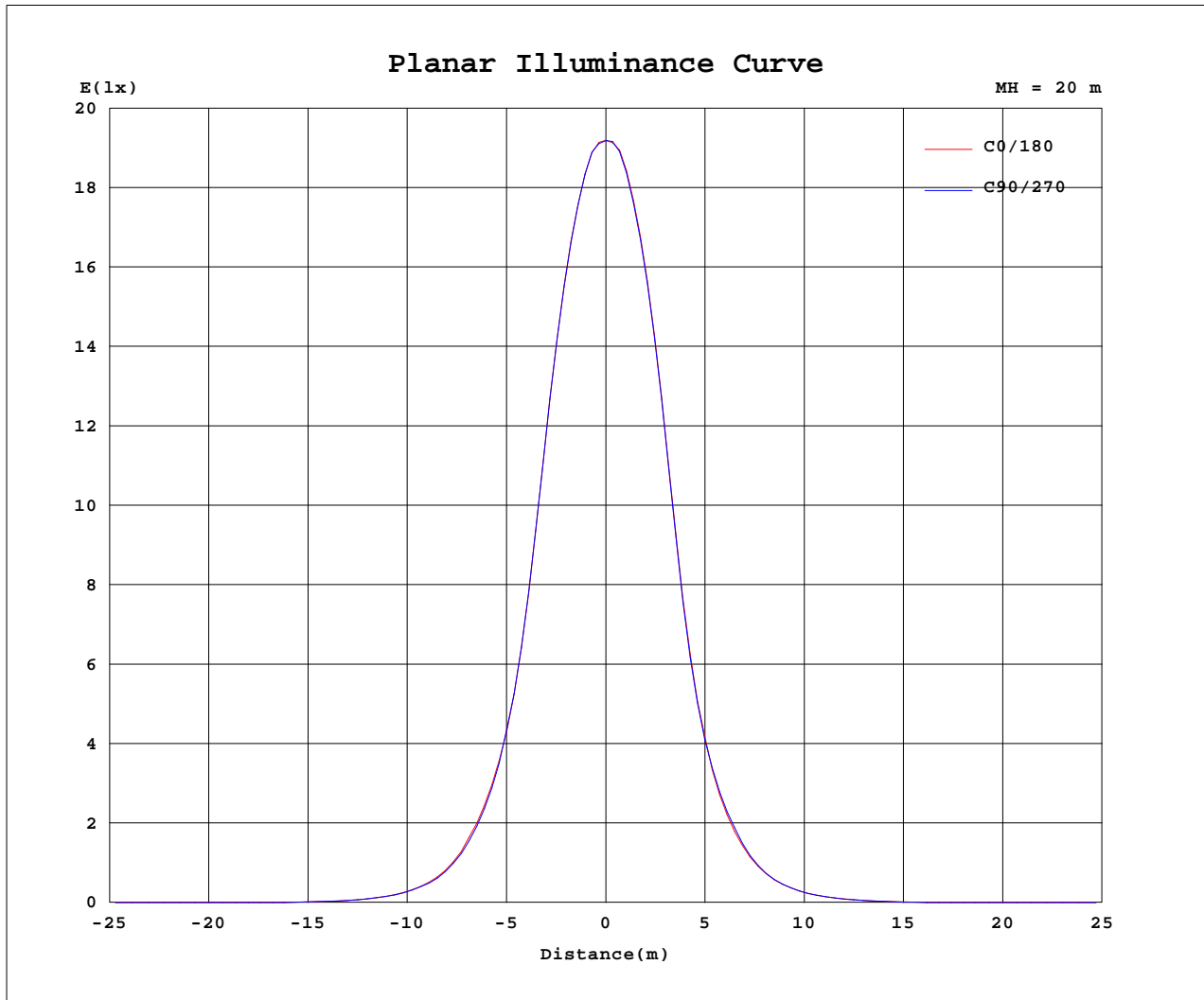
AvgL	cd/m2
L_0~180(65)av	221
L_0~180(75)av	234
L_0~180(85)av	451
L_90~270(65)av	200
L_90~270(75)av	198
L_90~270(85)av	190
L_45(65)av	202
L_45(75)av	180
L_45(85)av	83

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-23

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: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: 2024-7-23

$\gamma$  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: 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:0.1756A P:20.972W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2318.166-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407230935
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	7677	7677	7677	7677	7677	7677	7677	7677	7677	7677	7677	7677						
5	6740	6747	6725	6730	6721	6747	6784	6774	6787	6760	6755	6736						
10	3915	3969	3941	3920	3866	3872	3888	3870	3897	3859	3867	3875						
15	1593	1617	1585	1563	1494	1495	1484	1467	1513	1508	1539	1562						
20	624	631	615	597	556	561	553	547	574	570	582	603						
25	219	230	218	215	198	205	203	198	207	199	206	209						
30	77.9	79.3	79.0	75.9	72.4	73.9	73.2	72.6	72.3	70.9	72.3	73.8						
35	23.8	25.6	25.0	24.4	23.3	24.1	23.9	24.0	23.4	22.2	22.7	22.7						
40	5.51	5.72	5.63	5.44	5.31	5.63	5.49	5.41	5.06	5.08	5.13	5.20						
45	3.05	3.25	3.22	3.17	3.01	3.21	3.05	3.27	2.85	2.87	2.93	3.03						
50	0.90	1.10	1.32	1.11	1.15	1.14	1.27	1.09	0.97	0.84	1.13	0.84						
55	0.32	0.33	0.34	0.34	0.34	0.35	0.36	0.35	0.33	0.33	0.31	0.31						
60	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.23	0.22	0.22	0.21	0.21						
65	0.15	0.15	0.15	0.15	0.15	0.16	0.17	0.16	0.15	0.15	0.14	0.14						
70	0.12	0.10	0.11	0.11	0.11	0.12	0.13	0.11	0.10	0.11	0.10	0.10						
75	0.11	0.08	0.08	0.09	0.09	0.09	0.10	0.09	0.08	0.09	0.08	0.08						
80	0.10	0.06	0.06	0.07	0.06	0.07	0.09	0.06	0.05	0.06	0.05	0.05						
85	0.07	0.02	0.01	0.03	0.01	0.02	0.07	0.02	0.01	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  
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Test Date:2024-7-23

γ Range: 0 - 180DEG  
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Humidity:65.0%  
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